



Annual Report

Hospitals for the Insane

Province of Ontario

1913

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Forty-Sixth Annual Report

OF THE

Inspector of Prisons and Public Charities

UPON THE

Hospitals for the Insane

OF THE

PROVINCE OF ONTARIO

Being for the Year ending 31st October

1913

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



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1914



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PARLIAMENT BUILDINGS.

TORONTO, January 22nd, 1914.

To His Honour SIR JOHN MORISON GIBSON, K.C.M.G., K.C., LL.D., etc.
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

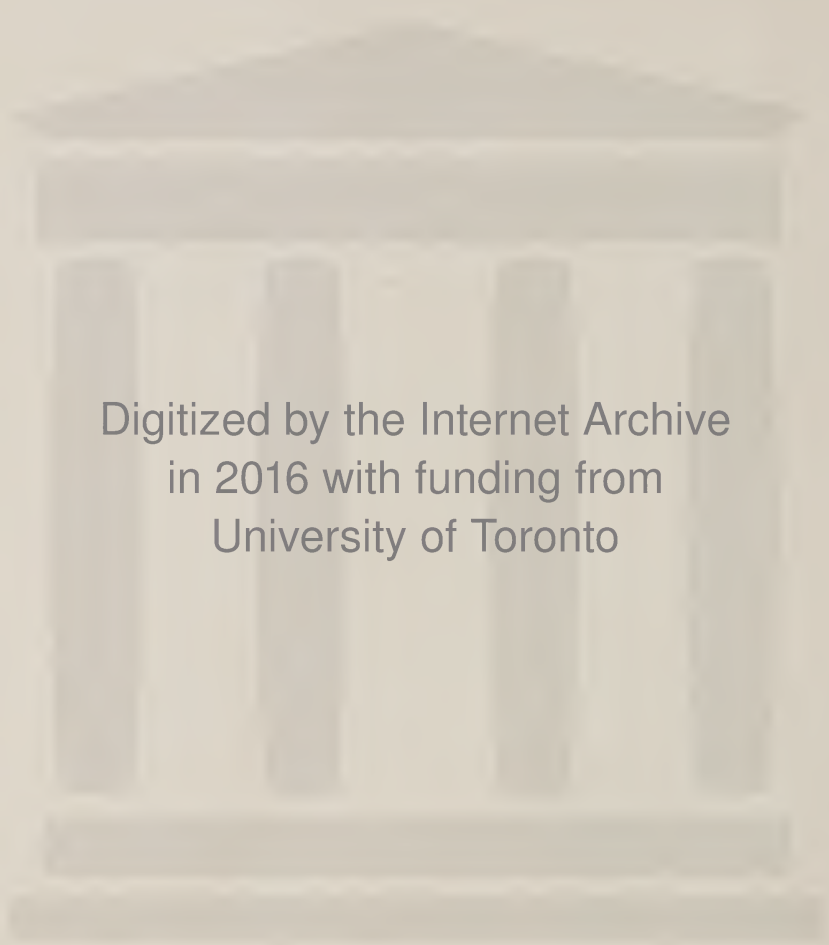
I beg to submit herewith the Forty-sixth Annual Report upon the Hospitals for the Insane of Ontario, being for the official year ending on the 31st October, 1913.

I have the honour to be,

Your Honour's most obedient servant,

W. J. HANNA,

Provincial Secretary.



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OFFICE OF THE
INSPECTOR OF PRISONS AND PUBLIC CHARITIES, ONTARIO.

PARLIAMENT BUILDINGS, TORONTO, January 15th, 1914.

SIR,—I have the honour to transmit herewith, to be presented to His Honour the Lieutenant-Governor, the Forty-sixth Annual Report upon the Hospitals for the Insane of Ontario, being for the official year ending 31st October, 1913.

I have the honour to be, Sir,

Your obedient servant,

EDWIN R. ROGERS,

Inspector.

THE HONOURABLE W. J. HANNA, M.P.P.,
Provincial Secretary of the Province of Ontario.
Toronto.

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Report

Of Edwin R. Rogers, Inspector of Prisons and Public Charities for the year ending Oct. 31st, 1913.

GENERAL.

On Oct. 31st, 1913, exclusive of insane patients in the Homewood Sanatorium at Guelph, there were in the Hospitals for Insane of Ontario 5,912 insane persons divided as follows:

Males	2,881
Females	3,031
	<hr/>
	5,912

The net increase in the population for the year was 186.

MOVEMENTS OF PATIENTS.

The daily average number of patients in the Provincial Hospitals for the Insane during the year was 5,822. An increase of 140.

The total number of admissions was 1,337, an increase of 90.

The total number of deaths was 408, a decrease of 52.

The total number of discharges was 612, an increase of 42.

REVENUE.

There has been an increase in the revenue from paying patients as follows:

1912	\$189,096.93
1913	205,649.41
	<hr/>
Increase	\$16,582.48

There is also an increase collected from the Municipalities under the provision of 6 Edward VII., Chap. 8, as follows:

1912	\$116,896.70
1913	119,701.50
	<hr/>
Increase	\$2,804.80

DEPORTATION.

During the year 257 persons have been deported as follows:

Number of insane	44
Number of criminals	138
Number likely to become a public charge	75

257

Owing to the increased number of the insane, it was impossible to provide the accommodation for all the applications.

At most of the Institutions, alterations and improvements are being made to provide for the accommodations required.

At Brockville the farm buildings were improved and the house was enlarged for working patients on the farm. The new admission Hospital is well under way, and it is hoped that it will be ready for occupation early in the coming fall.

At Hamilton the farm lands and buildings have been improved, the gardener's house completed and occupied and many general improvements were made.

At Mimico, the laundry has been completely overhauled and the drying-room removed, and the health of the working patients carefully looked after.

At Kingston the sewage house has been changed so that the overflow that goes into the river is now deprived of all danger of disease. Many other improvements have been made.

At London, many general improvements have been made.

At Penetanguishene the raw sewage has been turned on to the land and treated so that there is no danger from it going into the lake.

The work at Whitby has been pushed forward rapidly, and it is expected that in the early fall some patients will be placed in the new cottages now nearing completion.

EDWIN R. ROGERS,

Inspector.

TABLE

Showing movements of patients in the Hospital

	Brockville Hospital.			Cobourg Hospital.			Hamilton Hospital.			Kingston Hospital.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	F. male.	Total.
Capacity of Hospital.....	356	348	704	...	155	155	656	639	1,295	311	282	593
In Residence, Oct. 31st, 1912..	349	350	699	...	152	152	653	638	1,291	296	257	553
Admitted during year 1913:—												
By Warrant	11	6	17	...	8	8	77	22	99	21	1	22
By Medical Certificate....	68	81	149	...	11	11	55	68	123	86	64	150
Voluntary.....	.....	.....	.....	.....	.....	.....	2	.....	2	.....	.....	.....
Total number under treatment during year.....	428	437	865	...	171	171	787	728	1,515	403	322	725
Discharges during year:—												
As recovered.....	30	15	45	...	1	1	16	12	28	33	26	59
As improved.....	8	16	24	...	1	1	29	29	58	22	17	39
As unimproved.....	4	3	7	...	.....	.....	4	1	5	1	.....	1
As not insane.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total number discharged during year	42	34	76	...	2	2	49	42	91	56	43	99
Died	28	35	63	...	12	12	54	34	88	28	18	46
Deported	3	.....	3	.....	.....	.....	8	.....	8	2	.....	2
Eloped	4	.....	4	.....	.....	.....	3	.....	3	.....	.....	.....
Transferred	2	.....	2	...	4	4	6	8	14	.....	.....	.....
Total number admitted since opening of Hospital....	1,357	1,340	2,697	...	301	301	3,116	3,063	6,179	2,644	2,262	4,906
Total number discharged since opening of Hospital....	471	529	1,000	...	8	8	1,135	1,308	2,443	1,158	1,058	2,216
Total number died since opening of Hospital.....	464	362	826	...	105	105	974	851	1,825	838	640	1,478
Total number deported since opening of Hospital....	7	5	12	...	2	2	32	5	37	8	2	10
Total number eloped since opening of Hospital....	41	2	43	...	.....	.....	100	9	109	79	1	80
Total number transferr'd since opening of Hospital....	25	74	99	...	33	33	208	246	454	244	300	544
Total remaining in Hospital, Oct. 31st, 1913.....	349	368	717	...	153	153	667	644	1,311	317	261	578
Number of applications on file	19	22	41	...	.....	.....	4	7	11	44	47	91
Daily average population	360	366	726	...	154	154	664	642	1,306	303	254	557
Collective days' stay of all patients in residence during year.....	151,439	133,688	265,127	.....	56,113	56,113	242,398	234,369	476,767	110,489	92,932	203,421

No. 1.

for the year ending October 31st, 1913.

London Hospital.			Mimico Hospital.			Penetang Hospital.			Toronto Hospital.			Totals.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
511	555	1,066	340	320	660	166	204	370	426	426	852	2,766	2,929	5,695
520	566	1,086	313	311	624	165	204	369	473	479	952	2,769	2,957	5,726
42	9	51	71	23	94	4	11	15	86	29	115	312	109	421
67	85	152	36	53	89	2	7	9	82	149	231	396	518	914
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	2
629	660	1,289	420	387	807	171	222	393	641	657	1,298	3,480	3,584	7,064
19	24	43	30	24	54	.....	.....	.....	39	45	84	167	147	314
17	19	36	13	7	20	.....	.....	.....	33	45	78	122	134	256
5	8	13	1	1	2	.....	.....	.....	6	7	13	21	20	41
.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	1	.....	1
41	51	92	44	32	76	.....	.....	.....	79	97	176	311	301	612
35	32	67	22	18	40	4	14	18	42	32	74	213	195	408
.....	.....	.....	6	.....	6	.....	.....	.....	19	9	28	38	9	47
6	.....	6	2	.....	2	.....	.....	.....	6	2	8	21	2	23
.....	.....	.....	.....	12	12	3	5	8	4	17	21	15	46	61
3,674	3,339	7,013	1,613	1,506	3,119	258	321	579	6,047	5,771	11,818	18,709	17,903	36,612
1,548	1,482	3,030	502	476	978	17	22	39	2,998	3,107	6,105	7,829	7,990	15,819
1,191	1,017	2,208	451	402	853	51	80	131	1,638	1,323	2,961	5,607	4,780	10,387
10	3	13	41	5	46	8	.....	8	96	33	129	202	55	257
133	16	149	37	1	38	7	.....	7	142	21	163	539	50	589
245	244	489	236	297	533	11	16	27	682	787	1,469	1,651	1,997	3,648
547	577	1,124	346	325	671	164	203	367	491	500	991	2,881	3,031	5,912
12	7	19	78	46	124	.....	.....	.....	23	45	68	180	174	354
536	573	1,109	339	321	660	164	201	365	466	479	944	2,832	2,990	5,822
195,501	209,236	404,737	123,710	117,317	241,027	59,947	73,344	133,291	169,897	174,955	344,852	1,053,381	1,091,954	2,145,335

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since the opening of the Hospital.

—	Admissions of Year.	In residence.	Admissions since opening.
SOCIAL STATE.			
Single	672	3,409	17,849
Married	581	2,253	18,218
Widowed	81	225	509
Divorced	1	3	6
Separated	2	1	11
Unascertained .....	.....	21	19
Total	1,337	5,912	36,612
RELIGION.			
Baptists	58	275	1,534
Congregationalists	24	33	291
Church of England	316	1,168	8,006
Methodists	278	1,361	8,163
Presbyterians	268	1,049	7,230
Roman Catholics	231	1,316	7,720
Other Denominations ...	112	460	2,505
Unascertained	50	260	1,163
Totals	1,337	5,912	36,612

TABLE No. 3,

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.	Admissions since opening.
Total born in Canada	932	21,758
Armenia		1
Assyria	3	13
Austria	13	34
Australia		2
Belgium		
Bulgaria		2
Central America		
China	1	4
Denmark		7
England	179	4,706
France	3	28
Finland	4	36
Galicia		3
Germany	7	230
Greece		3
Holland		3
Hungary	1	4
Ireland	69	5,095
Italy	8	49
Japan		
Macedonia		2
Other British Possessions.....	4	215
Norway	1	13
Roumania	3	8
Russia	20	106
Scotland	46	2,382
South America		4
Switzerland	1	7
Sweden	5	37
Turkey		5
United States	32	973
West Indies		10
Unascertained and other countries	5	871
Totals.....	1,337	36,612

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Brockville Hospital.	Cobourg Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetanguishene Hospital.	Toronto Hospital.	Admitted this year.	Since opening.
Professional:—										
Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engin- eers, Surveyors, etc.....	5	1	2	4	3	2	....	1	18	576
Commercial:—										
Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.....	9	....	19	18	9	7	....	36	98	1,775
Agricultural and Pastoral:—										
Farmers, Gardeners, Stock Men, etc.	16	....	30	27	56	29	2	13	173	5,656
Mechanics at Outdoor Vocations:—										
Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	15	....	5	10	10	10	....	19	69	1,705
Mechanics, etc., at Sedentary Voca- tions:—										
Shoemakers, Bookbinders, Com- positors, Weavers, Tailors, Seam- stresses, Bakers, Factory Work- ers, etc.	11	5	31	14	5	5	1	27	99	2,294
Domestic Service:—										
Waiters, Cooks, Servants, etc....	9	3	10	9	15	10	8	38	102	3,646
Education and Higher Domestic Duties:										
Governesses, Teachers, Students, Housekeepers, Nurses, etc.....	74	7	61	41	65	64	4	81	397	10,821
Miners, Marine Engineers, Railway Employees, Seamen, etc.....	1	....	7	2	....	2	....	1	13	349
Laborers	22	....	39	24	23	47	4	83	242	5,166
No Occupation	4	3	20	21	17	6	5	46	122	2,227
Unascertained .....	....	....	....	2	....	1	....	1	4	2,397
Totals	166	19	224	172	203	183	24	346	1,337	36,612

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year ending October 31st, 1913, and the Hospitals they were assigned to

Counties and Districts.	Number received under warrant process.	Number received from private houses by medical certificates.	Total number received from respective counties during the year.	Assigned to Brockville Hospital.	Assigned to Cobourg Hospital.	Assigned to Hamilton Hospital.	Assigned to Kingston Hospital.	Assigned to London Hospital.	Assigned to Mimico Hospital.	Assigned to Penetang Hospital.	Assigned to Toronto Hospital.
Algoma District	14	8	22	.....	.....	1	.....	.....	20	.....	1
Brant	3	6	9	.....	.....	9	.....	.....	.....	.....	.....
Bruce	6	17	23	.....	.....	2	.....	20	1	.....	.....
Carleton	10	51	61	59	.....	.....	1	.....	.....	1	.....
Dufferin	4	7	11	.....	.....	7	.....	.....	1	3	.....
Dundas .....	.....	10	10	10	.....	.....	.....	.....	.....	.....	.....
Durham	3	7	10	.....	.....	.....	9	.....	1	.....	.....
Elgin	3	11	14	.....	.....	.....	.....	14	.....	.....	.....
Essex	4	12	16	.....	.....	1	.....	15	.....	.....	.....
Frontenac	1	44	45	1	.....	.....	44	.....	.....	.....	.....
Glengarry	1	6	7	7	.....	.....	.....	.....	.....	.....	.....
Grenville .....	.....	7	7	7	.....	.....	.....	.....	.....	.....	.....
Grey	6	15	21	.....	.....	19	.....	.....	.....	1	1
Haldimand	4	3	7	.....	.....	7	.....	.....	.....	.....	.....
Halton	1	5	6	.....	.....	5	.....	.....	1	.....	.....
Hastings	1	26	27	.....	.....	.....	27	.....	.....	.....	.....
Huron	8	16	24	.....	.....	2	.....	22	.....	.....	.....
Kent	3	25	28	.....	.....	1	.....	27	.....	.....	.....
Lambton	4	16	20	.....	.....	.....	.....	20	.....	.....	.....
Lanark .....	.....	10	10	10	.....	.....	.....	.....	.....	.....	.....
Leeds	2	39	41	33	.....	.....	8	.....	.....	.....	.....
Lennox and Addington	3	6	9	.....	.....	1	8	.....	.....	.....	.....
Lincoln	2	2	4	.....	.....	4	.....	.....	.....	.....	.....
Middlesex	12	34	46	1	.....	.....	.....	45	.....	.....	.....
Muskoka District	4	7	11	.....	.....	2	.....	.....	8	1	.....
Nipissing District	32	7	39	.....	.....	2	.....	.....	35	.....	2
Norfolk	4	3	7	.....	.....	7	.....	.....	.....	.....	.....
Northumberland	4	19	23	.....	.....	.....	19	.....	.....	1	3
Ontario	4	15	19	.....	2	1	1	.....	12	1	2
Oxford	8	10	18	.....	.....	1	.....	17	.....	.....	.....
Parry Sound District	2	8	10	.....	.....	.....	.....	.....	10	.....	.....
Peel	4	5	9	.....	.....	1	.....	.....	7	1	.....
Perth	7	12	19	.....	.....	1	.....	18	.....	.....	.....
Peterborough	7	13	20	.....	2	1	3	.....	13	1	.....
Prescott	4	8	12	12	.....	.....	.....	.....	.....	.....	.....
Prince Edward .....	.....	14	14	.....	.....	.....	14	.....	.....	.....	.....
Rainy River District	2	.....	2	.....	.....	.....	.....	.....	1	1	.....
Renfrew	1	20	21	1	1	.....	19	.....	.....	.....	.....
Russell	1	6	7	7	.....	.....	.....	.....	.....	.....	.....
Simcoe	12	22	34	.....	.....	5	1	.....	26	2	.....
Stormont .....	.....	14	14	14	.....	.....	.....	.....	.....	.....	.....
Thunder Bay District	17	2	19	.....	.....	3	.....	.....	12	4	.....
Victoria	13	4	17	.....	1	.....	6	.....	10	.....	.....
Waterloo	6	10	16	.....	.....	14	1	.....	.....	1	.....
Welland	7	12	19	1	.....	16	1	.....	.....	.....	1
Wellington	4	11	15	.....	.....	12	.....	2	1	.....	.....
Wentworth	45	49	94	1	.....	92	.....	.....	.....	1	.....
York	137	255	392	2	12	7	7	.....	24	5	235
Unascertained	1	7	8	.....	1	.....	3	3	.....	.....	1
Totals	421	916	1,337	166	19	224	172	203	183	24	346

TABLE No. 5a.

Showing the counties and districts from which the entire number of patients admitted to the Hospitals have been received, including the admissions of the present year; also the counties and districts from which the patients remaining in residence the 31st October, 1913, were originally admitted.

Counties and Districts.	Admissions of the year.	Total admissions.	Patients in residence 31st October, 1913.								Total.
			Brockville Hospital	Cobourg Hospital.	Hamilton Hospital.	Kingston Hospital	London Hospital.	Mimico Hospital.	Penetang Hospital.	Toronto Hospital.	
Algoma District	22	228	.....	.....	5	.....	1	45	16	7	74
Brant	9	572	.....	1	89	.....	4	2	1	1	98
Bruce	23	590	1	1	5	.....	113	1	5	4	130
Carleton	61	1,301	221	1	2	45	.....	.....	4	2	275
Dufferin	11	152	.....	.....	26	.....	.....	4	4	2	36
Dundas	10	252	26	2	.....	4	.....	.....	.....	.....	32
Durham	10	530	2	6	1	9	1	6	1	11	37
Elgin	14	600	.....	2	1	.....	88	1	5	2	99
Essex	16	528	3	.....	5	.....	93	1	2	1	105
Frontenac	45	1,309	9	8	10	130	.....	2	4	2	165
Glengarry	7	331	31	.....	.....	10	.....	.....	.....	2	43
Grenville	7	393	39	.....	1	3	.....	.....	.....	1	44
Grey	21	717	.....	6	118	1	9	8	12	3	157
Haldimand	7	370	1	.....	55	.....	.....	2	.....	.....	58
Halton	6	400	1	1	44	.....	1	4	1	4	56
Hastings	27	859	10	4	.....	80	1	3	2	3	113
Huron	24	885	2	3	3	.....	121	1	5	6	141
Kent	28	609	2	1	3	1	106	2	.....	.....	115
Lambton	20	822	3	2	5	.....	106	2	1	2	121
Lanark	10	646	63	1	.....	13	.....	.....	1	1	78
Leeds	41	589	94	.....	3	16	.....	.....	2	1	116
Lennox and Addington ...	9	450	3	1	.....	39	.....	1	3	2	49
Lincoln	4	563	1	3	59	.....	.....	.....	1	1	65
Middlesex	46	2,050	4	8	5	1	276	2	4	1	301
Muskoka District	11	175	.....	.....	3	.....	.....	15	13	2	33
Nipissing District	39	203	1	1	6	.....	.....	68	4	3	83
Norfolk	7	399	.....	.....	55	1	.....	.....	2	.....	58
Northumberland	23	760	3	9	3	73	.....	8	10	11	117
Ontario	19	813	2	8	7	1	1	50	22	17	108
Oxford	18	702	1	1	6	.....	77	3	3	3	94
Parry Sound District	10	105	.....	.....	3	.....	.....	26	1	2	32
Peel	9	486	1	1	9	.....	.....	35	4	10	60
Perth	19	714	3	1	6	.....	94	3	1	.....	108
Peterborough	20	540	1	8	.....	5	.....	59	7	8	88
Prescott	12	300	55	.....	2	3	.....	.....	2	.....	62
Prince Edward	14	274	.....	2	.....	41	1	1	.....	1	46
Rainy River District	2	72	.....	.....	5	.....	.....	17	6	.....	23
Renfrew	21	502	9	1	.....	60	.....	.....	3	1	74
Russell	7	110	30	.....	1	1	.....	.....	.....	.....	32
Simcoe	34	1,139	2	7	30	1	4	80	72	16	212
Stormont	14	426	58	1	1	8	.....	.....	7	2	71
Thunder Bay District	19	28	.....	.....	7	1	1	23	4	2	38
Victoria and Haliburton....	17	681	.....	5	3	6	.....	58	10	6	88
Waterloo	16	542	1	.....	119	.....	4	1	1	7	133
Welland	19	516	3	.....	88	2	.....	1	1	5	100
Wellington	15	937	.....	2	124	.....	3	1	6	8	144
Wentworth	94	2,140	4	4	330	5	4	.....	8	6	361
York	392	7,705	25	49	57	14	11	139	98	818	1,211
Unascertained	8	531	2	2	5	3	4	1	14	4	35
New Brunswick.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
United States.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	1,337	36,612	717	153	1,311	578	1,124	671	367	991	5,912

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....	37	43	80	13	10	23	39
Mental Strain, Worry and Overwork (not included in above).....	45	79	124	14	35	49	39
Religious Excitement	5	4	9	2	3	5	2
Love Affairs, including seduction.....	4	6	10	3	.....	3	2
Fright and Nervous Shock.....	1	11	12	1	3	4	5
PHYSICAL.							
Alcoholism	59	7	66	19	5	24	23
Sexual Excess	4	.....	4	.....	1	1	4
Venereal Diseases	37	6	43	4	.....	4	15
Masturbation	15	.....	15	4	.....	4	11
Insolation	2	2	4	.....	1	1	1
Accident or Injury	19	11	30	5	3	8	12
Pregnancy .....	.....	12	12	.....	2	2	3
Parturition and Puerperium.....	.....	19	19	.....	10	10	3
Lactation .....	.....	2	2	.....	1	1	.....
Climacteric Period .....	.....	27	27	.....	10	10	8
Fevers	6	1	7	1	.....	1	2
Privation and Overwork.....	21	10	31	9	3	12	13
Epilepsy	16	7	23	7	3	10	11
Other Convulsive Diseases.....	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull.....	6	.....	6	.....	1	1	4
Senility	51	23	74	12	8	20	40
Exophthalmic Goitre	1	15	16	.....	1	1	.....
Epidemic Influenza .....	.....	3	3	1	1	2	1
Abuse of Drugs.....	8	2	10	1	.....	1	3
Loss of Special Sense.....	2	.....	2	.....	.....	.....	.....
Uræmia .....	.....	1	1	.....	.....	.....	.....
Other Auto-infection	14	21	35	6	4	10	.....
Other Bodily Diseases.....	21	20	41	8	10	18	13
HEREDITARY.							
Congenital Defect	85	125	210	29	108	137	32
Unascertained	248	170	418	240	266	506	181
Not Insane	3	.....	3	1	.....	1	1
Totals	710	627	1,337	380	489	869	1,337

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch.....	49	62	111
Maternal Branch.....	48	48	96
Paternal and Maternal Branches.....	19	14	33
Collateral Branches.....	67	63	130
No hereditary tendency.....	155	167	322
Unascertained.....	372	273	645
Not insane.....			
Totals.....	710	627	1,337

TABLE No. 8.

Showing summary of probational discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharge.....	308	232	540
Discharged, Recovered while on Probation.....	98	76	174
" Improved " ".....	86	63	149
" Unimproved " ".....	9	5	14
Died..... " ".....	1	.....	1
Returned to Hospital.....	47	38	85
Absent on Probation on October 31st, 1912.....	67	50	117

TABLE No. 9.

Showing the causes of death of patients who died during the year ending October 31st, 1913.

Cause of Death.	Brockville Hospital.	Colourg Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetang Hospital.	Toronto Hospital.	Total.
Specific Infectious Diseases:—									
Typhoid Fever	1	.....	2	.....	.....	.....	.....	.....	3
Influenza .....	.....	1	.....	.....	.....	.....	.....	.....	1
Cerebro-spinal Meningitis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diphtheria .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Erysipelas .....	.....	.....	.....	.....	.....	1	.....	1	2
Septicæmia .....	.....	.....	2	.....	4	3	1	2	11
Dysentery	1	.....	1	.....	.....	.....	.....	.....	2
Syphilis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis	12	1	15	9	12	5	1	7	62
Toxemia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Constitutional Diseases:—									
Rheumatism .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arthritis Deformans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diabetes Mellitus .....	.....	.....	1	.....	.....	.....	.....	.....	1
Diseases of the Digestive System:—									
Mouth, salivary glands.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pharynx .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tonsils .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Œsophagus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enteritis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Intestines:—									
Diseases of the Liver.....	1	.....	1	4	.....	.....	1	1	8
Diseases of the Pancreas.....	.....	.....	1	.....	.....	.....	1	.....	2
Diseases of the Peritoneum.....	1	.....	1	.....	1	.....	.....	.....	3
Intestinal obstruction .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Respiratory System:—									
Diseases of the Nose and Larynx.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
“ “ Bronchi	1	.....	.....	.....	.....	.....	.....	.....	1
“ “ Lungs	2	.....	7	8	6	6	1	2	32
“ “ Pleura .....	.....	.....	.....	.....	.....	.....	.....	1	1
Diseases of the Circulatory System:—									
Diseases of the Pericardium .....	.....	.....	.....	.....	.....	.....	.....	1	1
“ “ Heart	3	4	5	5	4	2	5	6	34
Arterio-sclerosis	13	.....	.....	5	5	.....	.....	7	30
Aneurism .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Blood and Ductless Glands:—									
Anæmia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pernicious Anæmia .....	.....	.....	.....	.....	.....	.....	1	.....	1
Leucæmia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Exophthalmic Goitre .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Genito-Urinary System	1	2	5	.....	7	2	.....	1	18
Carried forward.....	36	8	41	31	39	19	10	29	213

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year ending October 31st, 1913.

Cause of Death.	Brookville Hospital.	Cobourg Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetang Hospital.	Toronto Hospital.	Total.
Brought forward.....	36	8	41	31	39	19	10	29	213
Diseases of the Nervous System:—									
Diseases of the Nerves.....							1		1
“ “ Spinal Cord				1		1			2
“ “ Meninges									
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions).....	1		7		6	3	3	1	21
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)								1	1
Epilepsy	4	1	7	1	3	3	1	2	22
Mental Diseases:—									
Exhaustion of Acute Mental Dis- ease	11		12	2		3		4	32
Exhaustion of Chronic Mental Dis- ease	1		6			1			8
General Paresis	3		5	5	5	4		20	42
Intoxications:—									
Alcoholism			1						1
Morphinism				1					1
Metallic Poisoning									
Heat Stroke									2
Debility of Old Age.....	3	3	8		12	5	1	11	43
Accident				1					1
Suicide	2							2	4
Surgical Diseases									
Gynæcological Diseases									
Malignant New Growths, or Cancer....	2		1	4	2		2	2	13
Pellagra.....								2	
Unknown (died on probation)						1			2
Totals	63	12	88	46	67	40	18	74	408

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses —									
(a) Fever Delirium.....	....	1	1	....	....	....	....	....	....
(b) Infection Delirium.....	2	7	9	1	3	4	2	3	5
(c) Post Infection Psychoses.....	....	9	9	....	4	4	....	3	3
Exhaustion Psychoses :—									
(a) Collapsed Delirium.....	7	12	19	4	6	10	2	6	8
(b) Acute Confusional Psychoses.....	3	14	17	1	5	6	2	5	7
(c) Neurasthenia.....	6	2	8	3	1	4	....	1	1
Intoxication Psychoses :—									
(a) Acute Intoxications.....	....	....	....	....	1	1	....	....	....
(b) Chronic “.....	5	2	7	....	....	....	....	....	....
(a) Alcoholism (acute and chronic).....	49	8	57	47	5	52	6	1	7
(b) Delirium Tremens.....	3	....	3	1	....	1	....	....	....
(c) Korsakow's Psychoses.....	1	....	1	....	....	....	1	....	1
(d) Acute Alcoholic Hallucinosiis.....	7	....	7	6	....	6	....	....	....
(e) Alcoholic Hallucinatory Dementia.....	1	....	1	....	....	....	....	....	....
(f) “ Paranoia.....	....	....	....	....	....	....	....	....	....
(g) “ Paresis.....	....	....	....	....	....	....	....	....	....
(h) Morphinism.....	7	3	10	5	1	6	1	1	2
(i) Cocainism.....	....	....	....	....	....	....	....	....	....
(j) Pelagra.....	....	2	2	....	....	....	....	2	2
Thyroigenous Psychoses :—									
(a) Mixoedematous Psychoses.....	1	1	2	....	2	2	....	....	....
(b) Cretinism.....	....	1	1	....	....	....	....	....	....
(c) Hyparthyrogeanous.....	....	....	....	....	....	....	....	....	....
Dementia Præcox :—									
(a) Hebaphrenic.....	88	72	160	47	34	81	13	22	35
(b) Catatonic.....	101	102	203	33	54	87	11	24	35
(c) Paranoid.....	58	66	124	36	25	61	13	14	27
General Paresis.....	50	7	57	7	....	7	40	7	47
Organic Dementias :— Traumalie.....	1	....	1	....	....	....	....	....	....
(a) Cerebral Sclerosis.....	2	....	2	....	2	2	2	....	2
(b) Huntingdon's Chorea.....	....	1	1	....	....	....	1	....	1
(c) Multiple Sclerosis.....	....	....	....	1	....	1	1	....	1
(d) Cerebral Syphilis.....	3	....	3	....	....	....	1	....	1
(e) Tabetic Psychoses.....	....	....	....	....	1	1	....	....	....
(f) Arterio-sclerotic Psychoses.....	15	5	20	4	....	4	13	6	19
(g) Cerebral Tumor, Abscess, Hæmorrhage...	3	3	6	3	....	3	3	....	3
(h) Tramutic Dementia.....	....	....	....	....	....	....	....	....	....
Involution Psychoses :—									
(a) Melancholia.....	23	51	74	11	30	41	9	15	24
(b) Pre-senile Delusional Psychoses.....	21	38	59	11	9	20	6	3	9
(c) Senile Dementia.....	47	27	74	13	15	28	39	33	72
(d) Presbyphrenia.....	1	....	1	1	....	1	....	1	1
Manic Depressive Psychoses ;—									
(a) Manic States.....	72	65	137	41	64	105	12	22	34
(b) Depressed States.....	36	52	88	18	28	46	5	11	16
(c) Mixed States.....	6	3	9	2	1	3	4	1	5
	619	554	1,173	296	291	587	187	181	368

TABLE No. 10.—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	619	554	1,173	296	291	587	187	181	368
Paranoia	11	9	20	3	2	5	.....	.....	.....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	14	14	28	1	5	6	20	5	25
(b) Hysterical Psychoses	1	5	6	1	2	3	.....	1	1
(c) Sexualis Psychopathia .....	.....	2	2	.....	.....	.....	.....	.....	.....
States of Deficient Mental Development:—									
(a) Imbecility	45	23	68	20	7	27	5	5	10
(b) Idiocy	1	2	3	.....	.....	.....	.....	.....	.....
Not Diagnosed	16	18	33	7	2	9	1	3	4
Not Insane	3	.....	3	2	1	3	.....	.....	.....
Totals	710	627	1,337	330	310	*640	213	195	408

* Includes 28 deports.

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1913.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	318	120	13	24	8	56
From 1 to 2 months.....	152	115	14	29	4	21
“ 2 “ 3 “	106	85	31	16	4	19
“ 3 “ 4 “	62	86	29	12	3	10
“ 4 “ 5 “	49	83	29	25	3	9
“ 5 “ 6 “	55	91	23	15	3	13
“ 6 “ 9 “	74	187	71	40	4	19
“ 9 “ 12 “	59	141	33	35	4	14
“ 12 “ 18 “	60	317	35	28	1	11
“ 18 months to 2 years ..	52	218	10	9	1	18
“ 2 to 3 years.....	75	460	13	14	1	28
“ 3 “ 4 “	52	373	3	12	1	14
“ 4 “ 5 “	30	295	2	4	1	18
“ 5 “ 10 “	54	1,142	2	12	2	53
“ 10 “ 15 “	40	835	7	3	.....	34
“ 15 “ 20 “	29	594	.....	2	.....	16
“ 20 years and upwards.	32	770	.....	1	1	55
Unknown.....	38	.....	.....	.....	.....	.....
Not insane.....	.....	.....	2	.....	.....	.....
Totals	1,337	5,912	*317	†281	41	408

* Includes 3 deports. † Includes 25 deports.

TABLE

Showing the general movement and result of treatment of patients in the Hospitals
1882, to the 31st

—	Average daily Population.			Number of patients admitted.			Number of patients recovered.			Patients dis- charged im- proved, un- improved and deported.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Average for 5 years 1882-1886.....	1,312	1,330	2,642	264	234	498	82	87	169	36	40	76
Average for 5 years 1887-1891.....	1,586	1,532	3,118	314	306	620	88	85	173	38	46	84
Average for 5 years 1892-1896.....	1,894	1,932	3,826	354	394	748	106	111	217	44	55	99
1897.....	2,097	2,157	4,254	507	398	905	107	116	223	42	52	94
1898.....	2,153	2,215	4,368	349	411	759	122	129	251	54	59	113
1899.....	2,183	2,258	4,441	368	343	711	116	145	261	48	47	95
1900.....	2,197	2,288	4,485	352	370	722	121	133	254	28	44	72
1901.....	2,236	2,368	4,604	372	370	740	145	130	275	26	31	57
Average for 5 years 1897-1901.....	2,173	2,257	4,430	389	379	767	122	131	253	40	46	86
1902.....	2,249	2,461	4,710	381	578	959	121	139	260	51	61	112
1903.....	2,283	2,490	4,773	404	416	820	146	176	322	41	60	101
1904.....	2,346	2,551	4,897	486	537	1,023	146	156	302	39	60	99
1905.....	2,396	2,616	5,012	511	538	1,049	149	166	315	64	57	121
1906.....	2,478	2,699	5,177	517	568	1,085	142	172	314	79	76	155
Average for 5 years 1902-1906.....	2,350	2,564	4,914	456	527	983	141	162	303	55	63	118
1907.....	2,511	2,747	5,258	568	528	1,096	146	166	312	118	97	215
1908.....	2,586	2,814	5,400	577	547	1,124	115	109	224	147	99	246
*1909.....	2,629	2,871	5,500	438	405	843	152	125	277	100	97	197
1910.....	2,662	2,879	5,541	567	573	1,140	146	169	315	126	138	264
1911.....	2,708	2,884	5,592	560	580	1,140	135	164	299	138	142	280
Average for 5 years 1907-1911.....	2,619	2,839	5,448	542	52	1,069	139	147	286	126	114	240
1912.....	2,748	2,934	5,682	653	594	1,247	141	155	296	171	148	319
1913.....	2,832	2,990	5,822	710	627	1,337	167	147	314	181	163	344

* 10 months ending October 31st, 1909.

No. 12.

for the Insane of the Province during the thirty-two years from January 1st,
October, 1913.

Number of patients who died.			Percentage of recoveries to average daily population.			Percentage of deaths to average daily population.			Number of patients remaining in Hospital at end of each year.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
91	63	154	6.25	6.54	6.39	6.94	4.74	5.83	1,329	1,446	2,775
88	83	171	5.56	5.88	5.55	5.56	5.42	5.48	1,600	1,601	3,201
124	93	217	5.59	5.75	5.67	6.55	4.82	5.69	1,910	1,955	3,865
145	117	262	5.10	5.38	5.24	6.91	5.42	6.17	2,116	2,163	4,279
130	108	238	5.67	5.88	5.77	6.04	4.88	5.46	2,152	2,236	4,388
160	132	292	5.31	6.42	5.87	7.28	5.85	6.57	2,176	2,251	4,427
136	133	269	5.51	5.82	5.67	6.19	5.81	6.00	2,198	2,300	4,498
150	107	257	6.48	5.47	5.97	6.70	4.52	5.61	2,236	2,368	4,604
144	120	264	5.61	5.79	5.70	6.22	5.29	5.96	2,175	2,264	4,439
158	129	287	5.38	5.65	5.52	7.02	5.24	6.09	2,248	2,464	4,712
150	139	289	6.39	7.07	6.75	6.57	5.58	6.05	2,287	2,492	4,779
172	163	335	6.22	6.12	6.18	7.35	6.39	6.84	2,328	2,543	4,871
141	147	288	6.22	6.34	6.28	5.88	5.62	5.75	2,435	2,657	5,092
173	184	357	5.73	6.37	6.06	5.73	6.37	6.06	2,491	2,720	5,211
159	152	311	5.99	6.31	6.15	6.51	5.84	6.18	2,358	2,575	4,933
197	176	373	5.82	6.04	6.01	7.84	6.41	7.09	2,549	2,765	5,314
193	158	351	4.45	3.87	4.15	7.46	5.61	6.50	2,614	2,877	5,491
132	127	259	5.89	4.38	5.11	5.02	4.42	4.71	2,634	2,897	5,531
174	164	338	5.48	5.87	5.69	6.54	5.69	6.10	2,688	2,921	5,609
200	215	415	4.99	5.68	5.33	7.38	7.45	7.42	2,715	2,925	5,640
179	168	347	5.17	3	5.50	6.85	5.92	6.38	2,640	2,877	5,517
241	219	460	5.13	5.29	5.21	8.77	7.46	8.09	2,769	2,957	5,726
213	195	408	5.89	4.82	5.38	7.52	6.52	6.99	2,881	3,031	5,912

TABLE No. 13.

Showing the percentage of recoveries on the average population and admissions for the year ending October 31st, 1913.

Hospitals.	On average population.			On admission.		
	Average population.	Recovered.	Percentage.	Admissions.	Recovered.	Percentage.
Brockville.....	726	45	6.20	166	45	27.11
Cobourg	154	1	.65	19	1	5.26
Hamilton	1,306	28	2.14	224	28	12.50
Kingston	557	59	10.59	172	59	34.30
London	1,109	43	3.88	203	43	21.18
Mimico.....	660	54	8.18	183	54	28.31
Penetang	365	.....	.....	24	.....	.....
Toronto	945	84	8.89	346	84	24.28
Totals.....	5,832	314	5.38	1,337	314	23.49

TABLE No. 14.

Showing summary of discharges during the year.

	Male.	Female.	Total.
Discharged, Recovered.....	167	147	314
“ Improved	122	134	256
“ Unimproved.....	21	20	41
“ Deported	38	9	47
“ Eloped	21	2	23
“ Not Insane.....	1	.....	1
Total Number of Discharges.....	370	312	682

TABLE No. 15.

DEATHS IN HOSPITALS.

Hospitals.	No. of Deaths.	Daily average population.	Percentage of deaths on daily average population.
Brockville.....	63	726	8.68
Cobourg.....	12	154	7.79
Hamilton.....	88	1,306	6.74
Kingston.....	46	557	8.26
London.....	67	1,109	6.04
Mimico.....	40	660	6.06
Penetang.....	18	365	4.93
Toronto	74	945	7.83
Totals	408	5,832	6.99

TABLE No. 16.

The following table shows the number of beds in each of the Hospitals, number in residence, number of vacancies, over population and applications on fyle at close of official year.

Asylums.	Number of beds.			Number in residence on 31st October, 1913.			Number of vacancies.			Over population.			Applications on fyle.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brockville	356	348	704	349	368	717	7	.....	7	.....	20	20	19	22	41
Cobourg .....	.....	155	155	.....	153	153	.....	2	2	.....	.....	.....	.....	.....	.....
Hamilton	656	639	1,295	667	644	1,311	.....	.....	.....	11	5	16	.....	.....	.....
Kingston	311	282	593	317	261	578	.....	21	21	6	.....	6	44	47	91
London	511	555	1,066	547	577	1,124	.....	.....	.....	36	22	58	12	7	19
Mimico	340	320	660	346	325	671	.....	.....	.....	6	5	11	78	46	124
Penetang	166	204	370	164	203	367	2	1	3	.....	.....	.....	.....	.....	.....
Toronto	426	426	852	491	500	991	.....	.....	.....	65	74	139	23	45	68
Totals	2,766	2,929	5,695	2,881	3,031	5,912	9	24	33	124	126	250	176	167	343

TABLE No. 17.

Showing the number of officers and employees in each and all of the Hospitals classified according to the duties performed.

Occupation.	Brockville Hospital.	Cobourg Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetang Hospital.	Toronto Hospital.	Total.
Medical Superintendents.....	1	1	1	1	1	1	1	1	8
Assistant Superintendents	1	.....	1	1	1	1	.....	1	6
Assistant Physicians.....	1	1	3	2	3	2	1	3	16
Trained Nurses.....	1	1	1	1	1	1	.....	1	7
Dentists.....	.....	.....	.....	.....	.....	1	.....	1	2
Bursars.....	1	1	1	1	1	1	1	1	8
Bursars' Clerks.....	1	.....	1	.....	1	1	.....	1	5
Stenographers and Portresses.	1	.....	3	1	3	1	1	3	13
Storekeepers.....	1	.....	1	1	1	1	1	1	7
Matrons.....	1	1	1	1	1	1	1	1	8
Assistant Matrons.....	.....	.....	.....	.....	2	1	.....	.....	3
Cooks.....	5	3	9	4	8	3	4	7	43
Laundresses.....	4	2	3	1	5	3	3	7	28
Housemaids.....	6	2	6	3	6	2	2	6	33
Seamstresses.....	1	.....	1	1	2	1	1	1	8
Tailoresses.....	.....	.....	.....	1	1	1	1	.....	4
Bakers.....	1	1	1	1	1	1	1	1	8
Assistant Bakers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Butchers.....	1	.....	1	1	1	1	.....	1	6
Tailors.....	1	.....	1	1	1	.....	.....	1	5
Shoemakers.....	.....	1	1	.....	1	.....	.....	.....	2
Laundrymen.....	1	.....	1	1	1	1	1	.....	6
Engineers and Assistants.....	2	1	2	3	4	5	2	2	21
Stokers.....	5	2	10	3	12	5	3	5	45
Bricklayers and Masons.....	1	.....	1	2	2	1	1	1	9
Carpenters.....	2	1	2	2	2	2	2	1	14
Painters.....	1	.....	1	1	2	1	1	1	8
Farmers.....	1	.....	1	1	1	1	1	1	7
Farmers' Assistants.....	6	.....	10	3	7	4	4	.....	34
Gardeners.....	1	1	1	1	1	1	1	1	8
Assistant Gardeners.....	1	.....	1	1	3	2	.....	2	10
Porters.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chief Attendants, Male.....	1	.....	1	1	4	1	.....	1	9
Supervisors, Male.....	8	.....	13	4	8	7	1	11	52
Attendants, Male.....	30	.....	55	31	45	26	8	29	224
Chief Attendants, Female.....	.....	1	1	1	1	1	1	2	8
Supervisors, Female.....	8	3	12	13	8	6	3	12	65
Attendants, Female.....	30	7	31	33	46	24	9	42	222
Musical Instructresses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	126	29	179	123	188	112	56	149	962

TABLE No. 18.

Statement of Revenue from Paying Patients and Farm and Miscellaneous Revenue.

Hospital.	No. of Paying Patients.	From Paying Patients.	From Farm and Miscel- laneous.	Total.
		\$ c.	\$ c.	\$ c.
Brockville	213	22,234 16	343 76	22,577 92
Cobourg.....	13	1,033 41	123 45	1,156 86
Hamilton	394	46,302 52	562 81	46,865 33
Kingston	196	16,778 67	604 42	17,383 09
London	411	39,537 28	638 38	40,175 66
Mimico	225	25,173 75	533 95	25,707 70
Penetanguishene	28	2,668 68	873 56	3,542 24
Toronto.....	432	51,920 94	877 45	52,798 39
Totals	1,912	205,649 41	4,557 78	210,207 19
Revenue from Railway Taxation, under 6 Edward VII., Cap. 9, Sec. 4, Sub- sec. 2				119,701 50
				329,908 69

TABLE No. 19.

COMPARATIVE STATEMENT OF REVENUE.

The following statement shows the revenue received from the Hospitals for each year since 1871, together with the number of paying patients in the Hospitals from year to year :

	No. of Paying Patients.	Revenue.	Increase.	Decrease.
		\$ c.	\$ c.	\$ c.
For the year ending September 30, 1871..	118	14,045 30	.....	.....
" " " 1872..	139	19,255 80	5,219 50	.....
" " " 1873..	171	16,660 61	.....	2,595 19
" " " 1874..	182	20,035 77	3,373 15	.....
" " " 1875..	231	21,875 92	1,840 15	.....
" " " 1876..	256	21,175 93	.....	699 99
" " " 1877..	323	28,093 58	6,917 65	.....
" " " 1878..	334	30,103 75	2,010 17	.....
" " " 1879..	343	32,398 26	2,794 51	.....
" " " 1880..	387	37,653 81	4,755 55	.....
" " " 1881..	414	41,066 54	3,412 73	.....
" " " 1882..	475	43,937 64	2,871 10	.....
" " " 1883..	538	59,922 59	15,984 95	.....
" " " 1884..	496	48,135 18	.....	11,787 41
" " " 1885..	509	49,620 93	1,485 73	.....
" " " 1886..	516	53,030 05	4,309 12	.....
" " " 1887..	514	48,742 53	.....	4,287 52
" " " 1888..	538	59,638 16	10,895 03	.....
" " " 1889..	708	66,670 64	7,032 48	.....
" " " 1890..	562	62,754 16	.....	3,916 48
" " " 1891..	577	48,507 52	.....	14,246 14
" " " 1892..	632	73,240 61	14,733 19	.....
" " " 1893..	661	73,415 54	174 93	.....
" " " 1894..	697	72,722 04	.....	693 50
" " " 1895..	743	68,290 31	.....	4,431 73
" " " 1896..	904	97,898 19	29,607 88	.....
" " " 1897..	844	100,581 25	2,683 06	.....
" " " 1898..	770	72,042 44	.....	28,538 81
" " " 1899..	778	74,364 54	2,322 10	.....
" " " 1900..	846	81,650 87	7,286 33	.....
" " " 1901..	902	90,677 46	9,026 59	.....
" " " 1902..	959	101,076 20	10,398 74	.....
" " " 1903..	1,029	97,416 03	.....	3,660 17
" " " 1904..	1,111	106,167 49	8,751 46	.....
" " " 1905..	1,211	114,915 59	8,748 10	.....
For the 3 mos. ending December 31, 1905..	.....	54,897 06	27,403 60	.....
For the year ending December 31, 1906..	1,732	165,404 08	50,488 49	.....
" " " 1907..	1,797	166,419 63	1,015 55	.....
" " " 1908..	1,878	146,148 77	.....	3,739 24
For the 10 mos. ending October 31, 1909..	1,613	140,048 18	.....	.....
" " " year " " 1910..	1,891	168,914 54	.....	.....
" " " " " " 1911..	1,899	183,077 18	14,162 64	.....
" " " " " " 1912..	1,963	189,096 93	6,019 75	.....
" " " " " " 1913..	.....	205,649 41	16,552 48	.....

In addition \$119,701.50 revenue for the year ending Oct. 31, 1913, was derived from Railway Taxation under 6 Edward VII. c. 9.

Revenue from Woodstock and Orillia not included in 1908, 1909, 1910, 1911, 1912 and 1913.

TABLE No. 20.
STATEMENT.

Showing the Expenditure on Maintenance under the different headings of the estimates for the year ending October 31st, 1913.

Headings of Estimates.	Brockville Hospital.		Cobourg Hospital.		Hamilton Hospital.		Kingston Hospital.		London Hospital.		Mimico Hospital.		Penetang. Hospital.		Toronto Hospital.	
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
Medicines and medical comforts.....	1,195	79	125	25	1,167	14	1,193	74	1,196	37	875	57	158	76	1,121	50
Groceries, provisions and butcher's cattle....	40,985	16	6,803	20	71,943	36	32,528	86	55,767	45	31,980	01	16,165	93	65,780	27
Fuel, light and water.....	21,956	81	2,852	40	30,131	51	15,972	36	18,765	81	13,724	88	9,880	87	20,249	06
Clothing.....	5,780	97	522	50	8,329	27	5,778	26	8,637	13	4,008	10	2,223	50	6,443	04
Laundry and cleaning.....	1,829	65	413	06	2,330	81	2,548	55	3,629	79	1,800	64	280	41	3,419	62
General repairs.....	5,931	97	488	42	9,738	37	6,911	36	9,993	12	5,960	50	1,992	87	6,975	04
Office expenses.....	980	05	273	11	1,375	71	1,413	16	1,139	50	1,017	67	401	52	1,136	43
Farm expenses.....	7,483	46	203	83	7,883	68	5,764	42	7,995	90	3,073	95	4,329	51	2,113	32
Contingencies.....	2,176	97	514	78	2,902	65	1,699	56	2,296	38	1,269	56	687	88	3,009	62
Total expense.....	88,320	83	12,196	55	135,812	50	73,810	27	109,421	45	63,710	88	36,121	25	110,267	92
Salaries.....	46,655	94	12,889	78	63,795	97	46,706	76	65,482	04	42,191	99	24,028	06	54,177	58
Grand Totals.....	134,976	77	25,086	33	199,608	47	120,517	03	174,903	49	105,902	87	60,149	31	164,445	50

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Cobourg.		Hamilton.	
	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
Days' residence of patients.....	255,291	251,398	56,099	55,994	467,308	456,711
Average number of patients	699.42	686.81	155.44	152.99	1,280.29	1,247.84
	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
MEDICINES.....	.53	.45	.22	.26	.26	.23
Medicines and Medical comforts.....	.53	.45	.22	.26	.26	.23
PROVISIONS.....	13.78	14.98	8.92	9.01	14.64	14.66
Breakfast Foods and Cereals.....	.32	.28	.14	.19	.27	.25
Butter	1.99	1.83	1.24	1.13	2.56	2.31
Coffee and Tea.....	.48	.47	.38	.41	.47	.45
Eggs .....	.47	.57	.49	.43	.38	.31
Flour, Bread, etc.....	1.57	1.88	1.46	1.43	1.82	1.82
Fruit and Vegetables—Fresh .....	.29	.33	.37	.31	.77	.74
“ “ Canned and Dried .....	.53	.56	.10	.19	.35	.42
Milk	1.56	1.77	1.44	1.45	1.49	1.23
Potatoes.....	.86	1.05	.33	.33	.65	.84
Salt, Spices, Pickles, etc .....	.07	.07	.02	.03	.08	.08
Sugar and Syrup.....	.79	.94	.51	.54	.72	.86
Unenumerated Groceries .....	.87	.88	.52	.45	.67	.81
Butchers' Meat	3.48	3.48	1.88	2.07	3.74	3.86
Fish and Fowl .....	.50	.37	.04	.05	.72	.68
FUEL, LIGHT AND WATER.....	7.66	8.12	5.58	5.61	6.28	6.26
Coal and Wood.....	5.39	5.74	3.88	3.82	4.85	4.95
Electricity .....	.05	.06	.89	.89	.43	.42
Gas	1.25	1.27	.....	.....	.31	.26
Oil, Candles, Matches, etc .....	.06	.05	.01	.01	.03	.02
Water.....	.91	1.00	.80	.89	.66	.61
CLOTHING	1.83	2.41	.69	1.07	1.50	1.49
Clothing—Dry Goods	1.32	1.95	.45	.83	1.18	1.21
Boots, Shoes, etc .....	.51	.46	.24	.24	.32	.28
LAUNDRY AND CLEANING .....	.77	.69	.76	.85	.61	.59
Brushes, Brooms and Mops .....	.17	.15	.04	.06	.10	.10
Miscellaneous Expenses .....	.23	.17	.05	.11	.12	.18
Soap .....	.37	.37	.67	.68	.39	.31
GENERAL REPAIRS.....	1.98	2.01	.71	.89	2.02	2.00
Furniture and Furnishings.....	1.53	1.81	.33	.61	1.50	1.45
Plant .....	.45	.20	.38	.28	.52	.55
OFFICE EXPENSES .....	.38	.42	.49	.43	.29	.26
Miscellaneous Items.....	.20	.21	.21	.15	.17	.14
Postage .....	.08	.11	.09	.11	.06	.06
Telephone and Telegraph.....	.10	.10	.19	.17	.06	.06
SALARIES.....	18.27	16.48	23.03	22.27	13.65	13.59
Supt. and Physicians	1.89	2.06	5.09	5.95	1.60	1.76
Bursar and Assistants.....	1.47	1.54	2.68	2.28	1.01	1.04
Matron and Assistants.....	2.58	2.16	5.19	4.86	2.06	2.00
Engineer and Assistants	1.60	1.38	3.33	3.40	1.03	1.06
Artisans, not Domestic .....	.92	.82	.60	.53	.50	.53
Farm and Garden.....	1.38	1.03	1.16	1.07	1.13	1.05
Teachers.....	.....	.....	.....	.....	.....	.....
Attendants.....	5.31	4.87	.....	.....	4.36	4.04
Nurses.....	3.11	2.62	4.98	4.18	1.95	2.11
Temporary Assistance.....	.01	.....	.....	.....	.01	.....

No. 21.

per Day for the Twelve Months ending October 31st, 1913.

Kingston.		London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
209,907	206,667	395,564	393,816	232,343	219,521	297,402	297,929	133,170	132,614	331,782	327,307	74,657	70,379
575.08	564.66	1,083.73	1,076.00	636.55	599.78	814.80	814.01	364.84	362.32	908.99	894.28	204.53	191.74
Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cts.
.61	.59	.31	.30	.34	.42	.39	.34	.12	.17	.34	.32	.70	.76
.61	.59	.31	.30	.34	.42	.39	.34	.12	.17	.34	.32	.70	.76
13.73	14.13	13.90	12.58	12.50	13.44	9.79	10.72	11.11	10.72	16.89	17.92	14.95	15.35
.25	.25	.42	.40	.40	.31	.23	.14	.21	.19	.22	.24	.28	.27
2.03	1.93	2.20	1.96	2.94	2.74	2.09	2.33	1.89	1.94	2.94	2.64	3.81	4.02
.56	.50	.63	.60	.32	.39	.33	.32	.43	.44	.43	.44	.40	.45
.36	.29	.21	.18	.26	.54	.11	.07	.01	.01	.57	.66	.15	.18
1.78	1.80	2.27	1.89	1.67	1.84	1.95	2.12	1.84	1.89	1.62	1.67	1.73	1.69
.31	.52	.59	.58	.63	.75	.35	.71	.21	.23	.27	.33	1.14	1.01
.59	.57	.45	.26	.20	.33	.29	.34	.20	.19	.59	.87	.74	.86
1.18	1.24	1.38	1.32	1.13	1.02	1.15	.83	1.73	1.23	1.90	1.52	3.05	2.94
.76	.84	.54	.29	.66	.55	.31	.32	.29	.44	.77	1.12	.81	.92
.07	.08	.11	.08	.06	.06	.03	.05	.02	.01	.11	.12	.08	.06
.75	.79	.85	1.06	.74	.90	.56	.57	.23	.34	.84	1.00	.98	1.16
.74	.76	1.01	.46	.50	.82	.24	.25	.63	.12	.05	.74	.34	.24
3.81	4.04	3.01	3.14	2.43	2.66	1.77	2.26	2.99	2.33	5.05	5.55	.81	.97
.54	.52	.23	.36	.56	.53	.38	.41	.43	.42	.93	1.02	.63	.58
7.46	7.16	5.05	4.82	7.26	7.10	3.80	3.63	7.75	5.83	6.43	5.94	9.11	9.36
7.41	7.10	4.04	3.59	7.14	6.98	3.00	3.01	6.40	4.64	4.82	4.59	5.50	5.55
.....	.....	.77	.44	.....	.....	.62	.48	.16	.....	.25	.23	1.24	1.31
.....	.....	.22	.76	.....	.....	.....	.....	.....	.....	.77	.64	.....	.....
.05	.06	.02	.03	.12	.12	.03	.02	.04	.05	.03	.04	.03	.02
.....	.....	.....	.....	.....	.....	.15	.12	1.15	1.14	.56	.44	2.34	2.48
2.21	2.38	2.07	1.95	1.43	1.70	2.36	2.30	1.53	1.48	1.06	1.58	.53	.51
1.70	1.84	1.51	1.42	1.13	1.40	1.87	1.77	1.11	1.00	.86	1.38	.39	.38
.51	.54	.56	.53	.30	.30	.49	.53	.42	.48	.20	.20	.14	.18
1.22	1.09	.94	.89	.81	.83	.81	.79	.48	.57	.98	.88	1.07	1.11
.21	.18	.15	.17	.14	.18	.14	.15	.08	.07	.17	.17	.09	.10
.38	.28	.23	.22	.17	.16	.06	.04	.09	.12	.19	.17	.32	.31
.63	.63	.56	.50	.50	.49	.61	.60	.31	.38	.62	.54	.66	.70
3.05	3.33	2.30	2.45	2.32	2.42	1.91	1.92	1.31	1.02	2.26	2.37	1.38	1.25
2.13	2.63	1.67	1.82	1.77	1.85	1.09	1.42	.79	.54	1.94	1.95	1.00	.86
.92	.70	.63	.63	.55	.57	.82	.50	.52	.48	.32	.42	.38	.39
.66	.59	.29	.35	.49	.42	.22	.18	.30	.22	.33	.33	.56	.41
.38	.35	.14	.19	.28	.22	.09	.07	.16	.10	.17	.17	.37	.23
.14	.15	.08	.07	.08	.09	.07	.05	.05	.04	.05	.05	.10	.09
.14	.09	.07	.09	.13	.11	.06	.06	.09	.08	.11	.11	.09	.09
22.25	21.15	16.55	15.43	18.16	18.62	10.74	10.06	18.05	18.03	16.33	16.53	21.47	22.11
3.09	3.21	1.78	1.60	2.60	2.79	1.86	1.76	2.85	2.77	1.99	2.18	4.82	5.02
1.60	1.58	1.20	1.20	1.42	1.39	.95	.94	1.88	1.69	1.61	1.67	2.44	2.56
2.87	2.92	2.54	2.36	2.37	2.52	2.35	2.07	3.08	2.95	2.48	2.72	3.12	3.17
1.54	1.53	1.82	1.51	2.06	1.96	.95	.90	1.85	2.04	1.02	.87	1.44	1.28
1.37	1.34	.91	.93	.75	.83	.54	.61	1.68	1.29	.79	.88	.94	.91
1.16	1.17	1.42	1.31	1.90	1.83	.61	.44	2.10	2.15	.66	.76	3.10	3.12
.....	.....	.....	.....	.....	.....	.22	.20	.....	.....	.....	.....	.....	.....
5.76	5.36	4.37	4.02	4.08	4.46	2.26	2.35	2.56	2.98	4.07	4.24	3.40	3.59
4.82	4.04	2.50	2.50	2.98	2.84	.89	.79	2.05	2.16	3.67	3.21	2.16	2.46
.04	.....	.01	.....	.....	.....	.....	.....	.....	.....	.04	.....	.05	.....

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Cobourg.		Hamilton.	
	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
Days' residence of patients.....	255,291	251,898	56,009	55,994	467,308	456,711
Average number of patients	699.42	686.81	155.44	152.99	1,280.29	1,247.84
	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
ALLOWANCES	4.67	4.67	4.15	3.74	4.50	4.66
Employees' Meals and Uniforms.....	4.48	4.48	3.86	3.58	4.36	4.60
Employees' Other Allowances.....	.19	.19	.29	.16	.14	.06
FARM AND GARDEN	3.79	4.30	.37	.19	3.33	3.74
Feed and Fodder.....	2.71	2.83	.09	.....	1.96	2.55
Miscellaneous Farm Expenses .....	.72	.86	.18	.09	1.04	.78
Seeds, etc.....	.36	.61	.10	.10	.33	.41
CONTINGENCIES .....	.82	.79	.92	1.03	.66	.57
Amusements, Religion, Education .....	.19	.19	.09	.09	.06	.05
Elopers, Cost of Recovery.....	.02	.02	.....	.....	.01	.....
Freight, Duties, etc.....	.20	.08	.09	.16	.05	.04
Ice .....	.15	.19	.27	.23	.24	.13
Incidental Expenses.....	.22	.23	.43	.46	.27	.28
Officers' Travelling Expenses.....	.04	.08	.04	.09	.03	.07
Per Capita cost per day, less Salaries.....	31.54	34.17	18.66	19.34	29.59	29.88
“ “ “ “ “ of Salaries	22.94	21.15	27.18	26.01	18.15	18.25
Total gross per Capita cost per day.....	54.48	55.32	45.84	45.35	47.74	48.05
Less total recovery per Capita per day	13.28	11.31	2.48	2.25	15.37	14.42
Net per Capita burden payable by Province.....	41.20	44.01	42.36	43.10	32.37	33.73

N.B.—The above is a Comparative Statement of the cost of maintenance per patient per day for the twelve months ending 31st October, 1913, in the ten Hospitals for the Insane, as compared with the twelve months ending 31st October, 1912, based on actual consumption and calculated to two places of decimals of a cent. The figures in black-faced type represent totals.

Under the headings “Provisions” and “Clothing” is shown the actual consumption by patients—the value of such supplies to officers, attendants, nurses and employees being included in the account “Employees' Meals and Uniforms.”

Where no charge is shown for light or water, these are included in the cost of coal.

The produce of the Farm and Garden consumed is included in the gross per capita cost. The total crop being deducted as shown, gives the net per capita cost per day.

No. 21—Continued.

per Day for the Twelve Months ending October 31st, 1913.—Continued.

Kingston.		London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
209,907	206,667	395,564	393,816	232,343	219,521	297,402	297,929	133,170	132,614	331,782	327,307	74,657	70,379
575.08	564.66	1,083.73	1,076.00	636.55	599.78	814.80	814.01	364.84	362.32	908.99	894.28	204.53	191.74
Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cts.
5.70	5.42	4.76	4.99	5.86	6.32	2.95	2.92	4.23	4.29	4.30	3.71	5.40	5.11
5.48	5.20	4.67	4.91	5.72	6.03	2.90	2.85	3.82	3.86	4.16	3.65	5.32	5.07
.22	.22	.09	.08	.11	.29	.05	.07	.41	.43	.14	.06	.08	.04
3.37	3.32	4.31	3.71	3.17	2.80	2.71	2.56	3.68	3.19	.62	1.55	7.25	5.54
2.43	2.03	2.63	2.96	1.66	1.73	1.68	1.21	3.13	2.73	.17	1.38	5.03	3.77
.65	.96	1.23	.50	1.16	.62	.93	1.17	.33	.23	.41	.15	1.39	.93
.29	.33	.45	.25	.35	.45	.10	.18	.22	.23	.04	.02	.83	.84
.83	.84	.55	.62	.56	.63	.49	.50	.52	.70	.95	.91	.49	.24
.26	.23	.16	.09	.15	.15	.13	.10	.04	.04	.10	.13	.05	.06
.03	.01	.03	.03	.....	.01	.....	.....	.02	.01	.....	.....	.....	.....
.14	.10	.07	.06	.10	.09	.11	.21	.17	.26	.14	.07	.16	.08
.....	.15	.....	.04	.15	.15	.02	.02	.....	.07	.23	.24	.08	.02
.32	.30	.26	.38	.16	.18	.19	.12	.24	.22	.42	.45	.17	.05
.08	.05	.03	.02	.....	.05	.04	.05	.05	.10	.06	.02	.03	.03
33.14	33.43	29.72	27.67	28.89	29.76	22.48	22.94	26.80	23.91	29.86	31.80	36.04	34.53
27.95	26.57	21.31	20.42	24.02	24.94	13.69	12.98	22.28	22.32	20.63	20.24	26.87	27.22
61.09	60.00	51.03	48.09	52.91	54.70	36.17	35.92	49.08	46.23	50.49	52.04	62.91	61.75
11.37	11.66	16.42	15.94	16.51	14.26	7.81	7.39	7.64	6.69	16.00	19.14	34.33	29.87
40.72	48.34	34.61	32.15	36.40	40.44	28.36	28.53	41.44	39.54	34.49	32.90	28.58	31.88

TABLE No.
Comparisons, Appropriation, Expenditure, Consumption, Population

	Brockville.	Cobourg.	Hamilton.
Days' residence of patients,	255,291	56,009	467,308
Average number of patients.....	699 42	155 44	1,280 29
Medicines.....Appropriation.....	\$1,200	200	1,200
Expenditure.....	1,195 79	125 25	1,167 14
Consumption	1,348 89	125 25	1,215 93
Provisions	41,000	7,800	72,000
Expenditure.....	40,985 16	6,803 20	71,943 36
Consumption.....	35,165 89	4,994 66	68,403 87
Heat and Light.....Appropriation.....	\$22,500	4,450	30,500
Expenditure.....	21,956 81	2,852 40	30,131 51
Consumption.....	19,571 34	3,124 70	29,318 37
Clothing, etc.....Appropriation.....	\$6,800	900	8,500
Expenditure.....	5,780 97	522 50	8,339 27
Consumption	4,670 18	385 36	7,015 84
Laundry, etc.....Appropriation.....	\$2,300	550	2,800
Expenditure	1,829 65	413 06	2,330 81
Consumption	1,978 57	427 39	2,864 67
Repairs, etc.....Appropriation.....	\$6,300	1,000	10,000
Expenditure.....	5,931 97	488 42	9,738 37
Consumption	5,043 68	397 83	9,441 59
Office.....Appropriation.....	\$1,200	300	1,400
Expenditure.....	976 80	258 11	1,375 71
Consumption	975 78	273 11	1,372 77
Salaries	\$51,017	15,110	66,907
Expenditure.....	46,655 94	12,899 78	63,795 97
Consumption	58,584 35	15,223 98	84,830 65
Farm, etc.....Appropriation.....	\$7,500	400	8,000
Expenditure.....	7,483 46	203 83	7,883 68
Consumption	9,663 76	207 12	15,542 29
Contingencies.....Appropriation.....	\$2,900	650	4,100
Expenditure.....	2,176 97	514 78	2,902 65
Consumption	2,085 69	514 78	3,088 97
Total Maintenance.....Appropriation.....	\$142,717	31,360	205,407
Expenditure.....	134,973 52	25,081 33	199,608 47
Consumption	139,088 13	25,674 18	223,094 95
Capital Accounts	\$81,700	4,400	35,400
Expenditure.....	47,972 25	3,357 67	27,652 59
Grand Total	\$224,417	35,760	240,807
Expenditure.....	182,945 77	28,439	227,261 06
REVENUE COLLECTIONS.			
From paying patients this year to date.....	\$22,234 16	1,033 41	46,302 52
“ “ last “	15,038 37	851 38	40,521 67
Patients Revenue per capita this year..... cents	8.71	1.85	9.91
“ “ last year..... cents	5.98	1.52	8.87
From Farm and Misc. Sales this year.....	\$343 76	123 45	562 81
“ “ last “	440 28	191 02	517 05
Farm and Mis. Revenue per capita this year.....cents	13	22	12
“ “ “ last year.....cents	18	34	11
Total Revenue this year.....	\$22,577 92	1,156 86	46,865 33
“ “ last “	15,478 65	1,042 40	41,038 72
Total Revenue per capita per day this year	8.84	2.07	10.03
“ “ “ last “	6.16	1.86	8.98
Farm Production Consumption this year	4.44	.41	5.34
“ “ last “	5.15	.39	5.34
Total Recovery per capita this year	13.28	2.48	15.37
“ “ last year	11.31	2.25	14.32

21.—Concluded.

and Revenue for the 12 Months ending 31st October, 1913.

Kingston.	London.	Mimico.	Orillia.	Penetang.	Toronto.	Woodstock.
209,907	395,564	232,343	297,402	133,170	331,782	74,657
575 08	1,083 73	636 55	814 80	364 84	908 99	204 53
1,200	1,200	1,200	1,200	750	1,500	700
1,193 74	1,196 37	875 57	1,163 79	158 76	1,121 52	523 43
1,285 10	1,245 92	788 22	1,164 54	158 76	1,141 17	523 43
36,000	58,000	38,000	35,000	18,000	69,000	12,000
32,528 86	55,767 45	31,980 01	31,592 71	16,165 93	65,780 27	11,877 34
28,830 32	54,977 78	29,054 32	29,116 89	14,799 41	56,039 45	11,163 85
16,000	23,000	14,200	13,000	11,600	20,500	8,000
15,972 36	18,765 81	13,724 88	10,350 42	9,880 87	20,249 06	7,836 69
15,662 15	19,989 81	16,867 19	11,302 13	10,321 70	21,321 85	6,802 07
5,800	9,400	6,000	7,500	4,800	6,500	1,000
5,778 26	8,637 13	4,008 10	7,200 24	2,223 50	6,463 04	401 20
4,637 61	8,179 09	3,321 30	7,033 11	2,036 13	3,517 63	396 17
2,740	4,200	2,300	2,700	1,200	3,500	1,200
2,548 55	3,629 79	1,800 64	2,271 68	280 41	3,419 62	800 98
2,551 27	3,711 31	1,895 90	2,420 25	640 54	3,267 98	800 21
7,000	10,000	6,500	6,300	4,000	7,000	1,500
6,911 36	9,993 12	5,960 50	5,472 68	1,992 87	6,975 04	1,235 28
6,403 54	9,103 39	5,399 07	5,672 51	1,749 99	7,488 93	1,032 32
1,500	1,500	1,200	900	600	1,500	500
1,411 16	1,139 50	1,017 67	649 83	401 52	1,054 40	421 54
1,383 16	1,136 83	1,142 97	639 73	401 52	1,078 30	418 54
50,973	67,990	48,275	35,982	27,810	61,862	18,181
46,706 76	65,482 04	42,191 99	31,946 68	24,028 06	54,177 58	16,023 75
58,666 62	84,298 78	55,808 53	40,708 02	29,667 75	68,437 80	20,055 13
6,660	8,000	4,000	5,500	4,500	7,200	3,000
5,764 42	7,995 90	3,073 95	5,411 83	4,329 51	2,113 32	2,904 94
7,081 15	17,065 28	7,365 57	8,060 22	4,895 80	2,052 13	5,413 80
2,450	2,500	2,200	1,500	900	5,000	1,000
1,699 56	2,296 38	1,269 56	1,381 33	687 88	3,009 62	299 39
1,736 38	2,161 97	1,301 17	1,447 58	687 88	3,158 11	361 89
130,323	185,790	123,875	109,582	74,160	183,562	47,081
120,515 03	174,903 49	105,902 87	97,441 29	60,149 31	164,363 47	42,324 54
128,237 30	201,870 16	122,944 24	107,564 98	65,359 48	167,503 35	46,967 41
38,500	58,000	34,900	92,300	27,400	206,800	13,400
24,484 01	50,525 77	19,603 07	22,456 44	20,544 47	2,503 94	11,262 64
168,823	243,790	158,775	201,882	101,560	390,362	60,481
144,999 04	225,429 26	125,505 94	119,897 73	80,693 78	166,867 41	53,587 18
16,778 67	39,537 28	25,173 75	13,230 48	2,668 68	51,920 94	13,364 18
16,809 16	36,877 40	19,190 34	9,684 43	2,532 85	57,275 76	13,087 67
7.98	10.	10.83	4.45	2.00	15.65	17.90
8.13	9.36	8.74	3.25	1.91	17.50	18.60
604 42	638 38	533 95	355 12	873 56	877 45	3,223 38
733 78	1,049 24	1,804 58	753 80	587 74	1,007 85	1,655 86
30	16	23	12	66	26	4 32
35	27	82	25	44	31	2 35
17,383 09	40,175 66	25,707 70	13,585 60	3,542 24	52,798 39	16,587 56
17,542 94	37,926 64	20,994 92	10,438 23	3,120 59	58,283 61	14,743 53
8.28	10.16	11.06	4.57	2.66	15.91	22.22
8.48	9.63	9.56	3.50	2.35	17.81	20.95
3.09	6.26	5.45	3.24	4.98	09	12.11
3.18	6.31	4.70	3.89	4.34	1.33	8.92
11.37	16.42	16.51	7.81	7.64	16.00	34.33
11.66	15.94	14.26	7.39	6.69	19.14	29.87

NOTES ON PER CAPITA STATEMENT.

Attached hereto is a statement of the cost of maintenance per patient per day for the year ending October 31st, 1913, in the ten hospitals mentioned, as compared with the year 1912 being based on actual consumption.

It follows out the order of the sub-divisions of appropriations voted by the Legislature, and is calculated to two places of decimals of a cent. The figures in black-faced type represent totals.

Invoices for all purchases, properly certified by the Bursar and the Store-keeper, as to accuracy and receipt of goods, are checked in the Department before being submitted to the Treasury for payment.

A system of Daily Requisitions for all supplies, such as provisions, is carried out and these requisitions are forwarded to the Department semi-weekly. In case of coal, the amount consumed on each shift is weighed and weekly report of consumption made by the engineer.

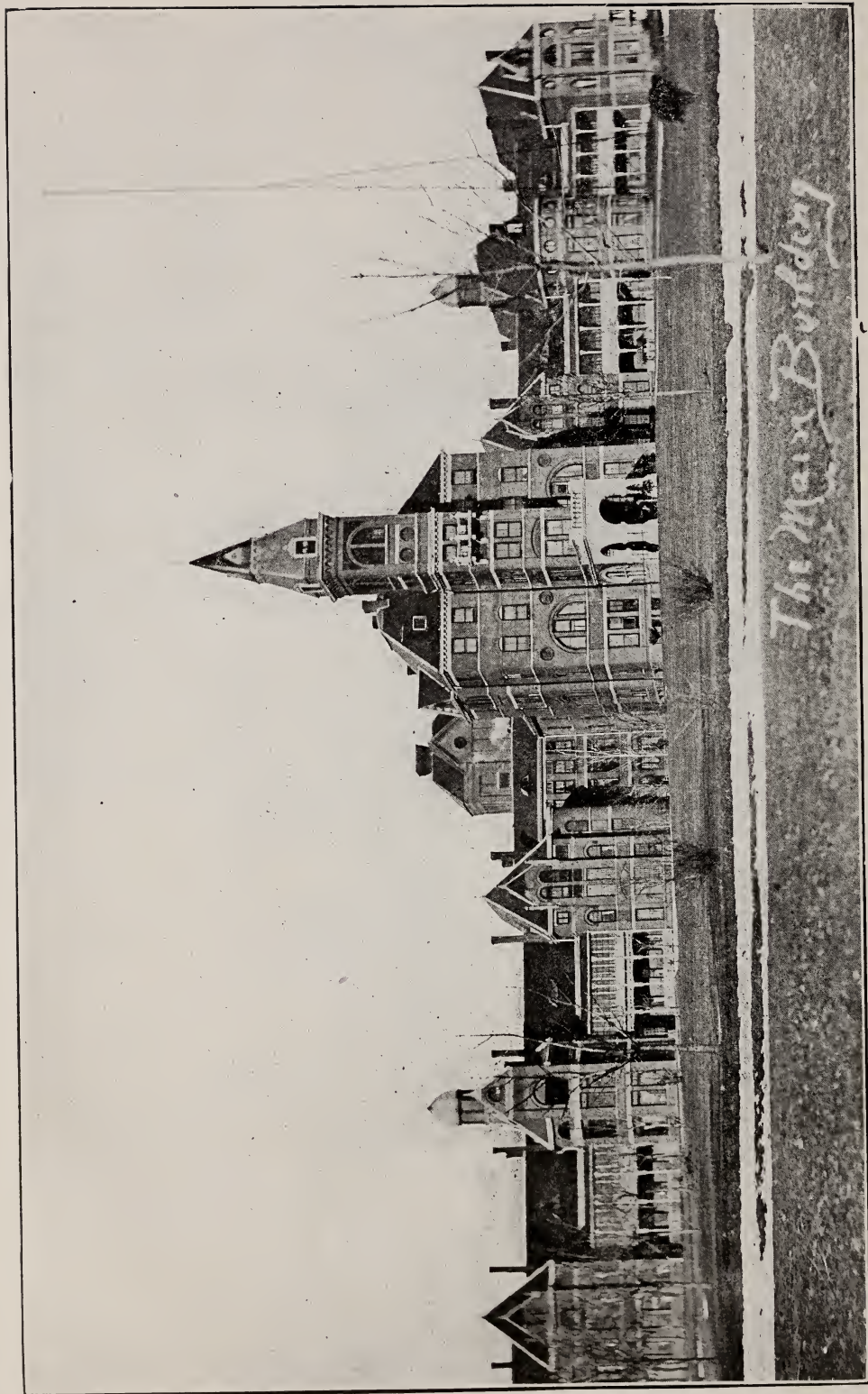
Under headings "Provisions" and "Clothing" is shown only consumption by patients—the value of such supplies to officers, attendants, nurses and employees being included in the account "Employees' Meals and Uniforms" under the heading "Salaries."

Quarterly inventories of stock are taken at each institution, and are checked with the ledger accounts of the Department.

Returns are made of all products of the Farm and Garden, as received, charges being made against the cost of maintenance, and the Farm and Garden given credit for the same; for this purpose a uniform price list is in use for all institutions, regardless of soil or fertility of farm. At the end of the year the value per patient per day of such products—fruits, vegetables, feed and fodder, meat and eggs—is deducted from the gross per capita cost and appears in the statement as "Farm Recoveries."

APPENDIX

TO FORTY-SIXTH ANNUAL REPORT UPON THE HOSPITALS FOR
THE INSANE AND CONTAINING THE ANNUAL REPORTS OF
THE MEDICAL SUPERINTENDENTS OF THE HOSPITALS IN
BROCKVILLE, COBOURG, HAMILTON, KINGSTON, LONDON,
MIMICO. PENETANGUISHENE, TORONTO, AND HOMEWOOD
SANITARIUM, GUELPH.



Main Building, Brockville.

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT AT THE
HOSPITAL FOR INSANE, BROCKVILLE, FOR YEAR ENDING
OCTOBER 31st, 1913.

BROCKVILLE, November 1st, 1913.

TO EDWIN R. ROGERS, ESQUIRE,

Inspectors of Public Charities.

SIR,—I have the honour to submit the Report of this Hospital for the year ending 31st October, 1913:—

—	Male.	Female.	Total.	Male.	Female.	Total.
There were in residence on October 31st 1912....	.....	.....	.....	349	350	699
Admitted during the year by Warrant.....	11	6	17			
Admitted during the year by Certificate.....	68	81	149			
Total admitted during the year.....	.....	.....	.....	79	87	166
Total number under treatment during year.....	.....	.....	.....	428	437	865
Discharged during the year recovered	30	15	45			
Discharged during the year improved	8	16	24			
Discharged during the year unimproved.....	4	3	7			
Total discharged during the year.....	42	34	76			
Number died during the year.....	28	35	63			
Number eloped during the year.....	4	.....	4			
Number transferred during the year.....	2	.....	2			
Deported during the year.....	3	.....	3			
Total number leaving the institution during the year.....	.....	.....	.....	79	69	148
Total number remaining in Hospital on October 31st, 1913.....	.....	.....	.....	349	368	717

ADMISSIONS.

During the past year we admitted to the hospital one hundred and sixty-six patients—seventy-nine men and eighty-seven women. Of this number seventy-two were single, eighty-four married, and ten widowed. Of the seventy-two single persons admitted, thirty-eight were males and thirty-four females—of the married thirty-eight were males and forty-six females—of the widowed three were males and seven females.

Over 50 per cent., as far as we could ascertain of all admissions, had an hereditary tendency. A number of others from whom it was impossible to obtain a correct history, should be placed in this class.

Thirty-five of those admitted were reported to be ill for a period less than one month, seventeen for less than two months, seventeen for less than three months, ten for less than four months, nine for less than five months, four for less than six months, sixteen for less than nine months, two for less than twelve months, two for less than eighteen months, seventeen for less than two years, eleven for less than three years, fourteen for less than ten years, eight for less than fifteen years, two for less than twenty years, and two over twenty years.

Over one-third of all admissions were in the chronic class before being sent in for treatment.

Two persons admitted during the year were only twelve years of age. The eldest admitted during the year was eighty years old. There were fifteen admissions under twenty-one years, thirty-one between twenty-one and thirty, thirty-three between thirty and forty, thirty-four between forty and fifty, twenty-six between fifty and sixty, nineteen between sixty and seventy, seven between seventy and eighty, and one over eighty.

The senile cases still come in large numbers. A number of these are very troublesome and difficult to nurse, and it would be impossible for many of them to be properly cared for at home, and, indeed, the patients of those looking after them in the institutions is severely tried.

Thirty of our admissions were diagnosed as senile or allied psychosis, 58 dementia præcox, 25 manic depressives, six paranoics, six paretics, nine exhaustion psychosis, four melancholics, one hysteria, nine alcoholics, seven epileptics, and eleven imbeciles.

We have been greatly embarrassed for room on the female side during the whole year. On the male side we always have vacancies owing to the room made at the Farm House for male patients.

DISCHARGES.

Seventy-six patients were discharged during the year. Forty-five were considered recoveries, twenty-four improved, and seven unimproved. Some of these discharged as improved have been reported to us since as having made a good recovery, so that our percentage of recoveries might have been placed much higher. Some of those discharged as recovered were considered at one time as incurable. One man particularly had been thought to be very dangerous. We have heard occasionally from him since leaving here and he is doing well. One man has been a resident for over ten years. He was a high-class moron, but as he became older he acquired more discretion and judgment and is now doing well for himself and has steady employment.

DEATHS.

Our death-rate was fairly high—twenty-eight men and thirty-five women died during the year. As usual a large number of the early transfers to this institution were in this list, and a number of old people who were admitted during the year. About thirty deaths were over sixty years of age, and two were over eighty. The death rate from tuberculosis was rather lower than last year—six women and six men died from this disease.

TREATMENT ACUTE CASES.

There is nothing new to be said on this line except that our treatment is more systematic and that the patients' welfare is more carefully looked after than ever before, as we have a nurse in each of our admission wards who has taken a post graduate course. We have also a special diet kitchen in connection with each of these wards under an efficient nurse.

We owe a great deal to our hydrotherapeutic treatment. This, in connection with massage, has accomplished a great deal for those under our care. The efficacy of these measures is demonstrated by gratifying results.

LABORATORY WORK.

Laboratory work in connection with the examination of the acute cases has been well kept up during the year by our medical staff.

TREATMENT CHRONIC CASES.

The care and treatment of the chronic insane is a very important portion of the work. This class is large in all our institutions, and it is very desirable that they not only be properly housed and cared for, but their life in the institution should be made as happy as possible. This has been done by giving all who are able steady employment in work that they are qualified to do. Every one physically and mentally fit to work has some regular employment. Occupation can be found for the men out-of-doors, and an Industrial Room has been opened which gives employment to a great many more females than formerly and takes them out of the wards for a portion of each day.

Summer and winter outdoor sports have also been provided in addition to the usual weekly dances, and special indoor entertainment in the winter.

The annual sports day each summer is looked forward to with much pleasure. This year it was a great success and the interest shown and the keen rivalry manifested between patients, nurses and attendants for first places in the various events was very gratifying. The day was greatly enjoyed by all those taking part and by visitors who were privileged to be present.

TRAINING SCHOOL.

Our training school was rather broken up during the later part of last season owing to the resignation of the two doctors from our medical staff in the early spring. The work had been carefully carried on through the winter. In spite of this, the nurses gave a good account of themselves at the examination and all that passed took excellent standing in the various subjects.

Our graduating exercises were held in the Grove, on the afternoon of July 4th, and were attended by a very large number of our citizens. Four nurses received their diplomas. Addresses were delivered by prominent speakers and refreshments served.

IMPROVEMENTS.

New Presco heaters were installed in connection with central heating plant in main building to adjoining cottages on both male and female sides, so that furnaces are no longer required in these cottages. Arrangements are being made to connect the remaining cottages to the central heating plant in a similar way.

New rooms have been provided for the nurses and attendants respectively, a piano has been placed in the room for the nurses, and a pool-table in the room for the attendants. Owing to the great pressure of outside work these rooms are not yet completed, but will be open in a short time.

A new cold storage and milk room with storage for fruit, etc., in the basement has been built and will be in use this winter, as soon as the ice supply is ready. It will assist those in charge of the kitchen very much in their work.

The new admission hospital, under contract, is making good progress. We do not expect it will be ready for patients for another year.

A new cement tramway with steel rails for the conveyance of food to the various cottages was put in, and new cement pavement and sidewalks put down where required.

The entire buildings have been wired ready for electric fixtures, which are to be put in shortly.

NEW FARM.

This farm, with the purchase made last year, comprises three hundred and twenty acres, and is situated some two miles from the institution. It has been thought by all that the work would be much better carried on if the person in supervision of the farm work was located on the grounds. The Department, in order to have the best work possible done, appointed Mr. C. H. Wilson, of Orillia, as resident farmer. A house and lot lying directly across the road from the farm was purchased and fitted up for Mr. Wilson, and he has had charge of all farm work since his appointment.

Last fall our herd of cows was transferred to the new farm, as better accommodation, pasture and winter food were provided for them there. The milk is drawn here both night and morning and this works out very satisfactorily.

A new cement silo has been added to the Barrigar barn, where the cows are kept.

We were unfortunate in having a fire at the Stagg Farm in August that destroyed the stables, barn and large quantity of hay and grain and farm implements. The fire was originated by a patient who has been privileged for fifteen years and who was assisting in the farm work. She did not appear to be at all depressed, but went out in the evening and deliberately set fire to her clothing for the purpose of taking her own life. She went behind the barn so as to be out of sight and the fire from her clothing ran through the dry grass and ignited the hay in the mow of the farm. The patient did not die for a few hours and was able to give some explanation of her conduct. In consequence of the fire an out-building at the Barrigar farm has been fitted up as a temporary horse stable, which has been made quite commodious and comfortable.

The building planned for patients on the Stagg Farm is under course of construction. The cellar and basement have been excavated and the foundation walls all put in and considerable drainage done.

Last year a survey was made for the drainage of all fields of the new farm, and 11½ miles of this drain had been completed and tile laid. The creek running through the Stagg Farm has also been straightened. All this entailed an immense amount of work.

RELIGIOUS SERVICES.

The religious services for the Protestant population have been held every Sunday morning.

A special service for the Roman Catholics is held on the first Saturday of each month, besides special sacramental services once a quarter.



View from Main Building overlooking St. Lawrence River.

We are greatly indebted to the clergymen of the various denominations for their kindness in giving us these services. We feel keenly that there should be some remuneration to them for this work. It is not the regular services only for which we feel indebted, but there are many special calls for the sick and dying, and the clergymen have always responded most cheerfully to calls made upon them.

CHANGES IN STAFF.

At the end of last year the late Mr. Ross, our genial storekeeper who had been here for some two years, resigned his position to take charge of a more remunerative one in the Customs in Brockville, and Mr. George McGookin was appointed in his place. Mr. McGookin has filled the position now for a year.

On March 15th our Assistant Superintendent, Dr. Neely, resigned his position to go into private practice in New Ontario. He was succeeded by Dr. Vrooman, who was Assistant Physician at Toronto. Dr. Vrooman came on duty the 1st of April.

Dr. Crawford, Assistant Physician, resigned on the 15th of April to obtain a larger hospital experience. We were left without an assistant physician until Dr. McLean came on to take charge of the work, July 3rd.

Thanking yourself and the Department most heartily for the consideration, advice and assistance so cheerfully and promptly given throughout the year,

I have the honour to be,

Sir,

Your obedient servant,

J. C. MITCHELL,

Medical Superintendent.

**ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, BROCKVILLE, FOR THE YEAR
ENDING OCTOBER 31st, 1913.**

TABLE No. 1—BROCKVILLE.

Showing movements of patients in the Hospital for the official year ending October 31st, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	356	348	704			
In Residence October 31st, 1912.....				349	350	699
Admitted during year 1913:						
By Warrant	11	6	17			
By Medical Certificate	68	81	149	79	87	166
Total number under treatment during year				428	437	865
Discharges during year:						
As recovered	30	15	45			
" improved	8	16	24			
" unimproved	4	3	7			
" not insane						
	42	34	76			
Total number discharged during year						
Died	28	35	63			
Deported	3		3			
Eloped	4		4			
Transferred	2		2	79	69	148
Remaining in Hospital October 31st, 1913				349	368	717
Total number admitted since opening of Hospital				1,357	1,340	2,697
Total number discharged since opening of Hospital	471	529	1,000			
Total number died since opening of Hospital	464	362	826			
Total number deported since opening of Hospital	7	5	12			
Total number eloped since opening of Hospital	41	2	43			
Total number transferred since opening of Hospital	25	74	99	1,008	972	1,080
Total remaining in Hospital October 31st, 1913				349	368	717
Daily average population	360.10	366.27	726. 37			
Collective days' stay of all patients in residence during year	131,439	133,688	265,127			
Number of applications on fyle.....	19	22	41			

TABLE No. 2—BROCKVILLE.

Showing Social State and Religion of patients admitted during the year and since of Hospital.

	Admissions of Year.			In residence Oct. 31, 1913.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....	38	34	72	124	152	276	809	625	1,434
Married.....	38	46	84	217	198	415	513	646	1,159
Widowed.....	3	7	10	8	18	26	35	68	103
Divorced.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Separated.....	.....	.....	.....	.....	.....	.....	.....	1	1
Unascertained.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	79	87	166	349	368	717	1,357	1,340	2,697
RELIGION.									
Baptists.....	2	.....	2	11	7	18	41	33	74
Congregationalists.....	.....	.....	.....	1	1	2	6	3	9
Church of England....	19	22	41	60	77	137	243	252	495
Methodists.....	9	17	26	37	64	101	205	257	462
Presbyterians.....	10	15	25	59	49	108	253	237	490
Roman Catholics.....	38	32	70	160	156	316	518	502	1,020
Other Denominations .	1	1	2	21	14	35	55	44	99
Unascertained.....	.....	.....	.....	.....	.....	.....	36	10	48
Totals.....	79	87	166	349	368	717	1,357	1,340	2,697

TABLE No. 3—BROCKVILLE.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total admissions	79	87	166	1,357	1,340	2,697
Total born in Canada	65	77	142	1,096	1,097	2,193
Armenia						
Assyria				2	2	4
Austria	1		1	2	2	4
Australia						
Belgium						
Bulgaria						
Central America						
China				1		1
Denmark				2		2
England	4	7	11	74	59	133
France				6		6
Finland						
Galicia						
Germany				5	6	11
Greece						
Holland						
Hungary						
Ireland	5	3	8	74	103	177
Italy	1		1	3		3
Japan						
Macedonia						
Other British Possessions						
Norway				1		1
Roumania						
Russia				4	9	13
Scotland				31	35	66
South America						
Spain						
Sweden				2	1	3
Switzerland	1		1	1		1
Turkey						
United States	2		2	34	19	53
West Indies						
Unascertained				19	7	26
Totals	79	87	166	1,357	1,340	2,697

TABLE No. 4—BROCKVILLE.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional :— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc	4	1	5	20	3	23
Commercial :— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc	7	2	9	105	21	126
Agricultural and Pastoral :— Farmers, Gardeners, Stock Men, etc.	16	.....	16	414	.....	414
Mechanics at Outdoor Vocations :— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc	15	.....	15	148	.....	148
Mechanics, etc., at Sedentary Vocations : Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc	5	6	11	79	40	139
Domestic Service :— Waiters, Cooks, Servants, etc	4	5	9	7	207	214
Education and Higher Domestic Duties :— Governesses, Teachers, Students, Housekeepers, Nurses, etc	4	70	74	15	937	952
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc	1	.....	1	24	.....	24
Laborers	22	.....	22	439	.....	439
No Occupation	1	3	4	61	109	170
Unascertained .....	.....	.....	.....	45	23	68
Totals	79	87	166	1,357	1,340	2,697

TABLE No. 5—BROCKVILLE.

Showing the Counties and Districts from which patients have been admitted during the year,
and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District...				1		1				1		1			
Brant					1	1									
Bruce				4	2	6				2		2	1		1
Carleton.....	26	33	59	351	375	726	7	2	9	155	116	271	90	131	221
Dufferin.....															
Dundas	4	6	10	70	64	134				1		1	13	13	26
Durham.....				6	5	11								2	2
Elgin.....				4	4	8				3	1	4			
Essex.....				7	4	11				4	4	8	2	1	3
Frontenac.....	1		1	17	16	33				7	7	14	3	6	9
Glengarry.....	1	6	7	78	79	157	1	1		1	1	2	10	21	31
Grenville.....	6	1	7	108	122	230				1	1	2	15	24	39
Grey				3	1	4				1	1	2			
Haldimand				3		3				3		3	1		1
Halton				2		2				1		1	1		1
Hastings				13	26	39				7	17	24	4	6	10
Huron.....				5	3	8				3		3	2		2
Kent.....				7	1	8				4		4	2		2
Lambton				8	1	9				5	1	6	3		3
Lanark.....	2	8	10	133	139	272				32	22	54	33	30	63
Leeds	20	13	33	161	163	324	1	1	2	32	19	51	49	45	94
Lennox and Ad- dington.....				4	5	9				4	5	9	2	1	3
Lincoln.....				3	2	5				2	2	4	1	1	1
Middlesex.....	1		1	17	16	33				10	6	16	2	2	4
Muskoka District..				1		1									
Nipissing District..				3	1	4							1		1
Norfolk.....				2		2				1		1			
Northumberland ..				6	4	10				6	3	9	2	1	3
Ontario.....				4	7	11				4	7	11	2		2
Oxford				5	3	8				5	1	6	1		1
Parry Sound Dis- trict															
Peel.....				4	2	6				2		2	1		1
Perth				6	1	7				6		6	2	1	3
Peterborough				4	2	6				4	2	6	1		1
Prescott.....	6	6	12	73	79	152	2	2	4	37	37	74	27	28	55
Prince Edward ...				2	3	5				1	1	2			
Rainy River Dis- trict					7					2	2	4			
Renfrew.....		1	1	15	16	31				8	5	13	5	4	9
Russell.....	3	4	7	39	44	83	1		1	1		1	15	15	30
Simcoe.....				7	3	10				5	2	7	2		2
Stormont.....	6	8	14	112	86	198				39	11	50	35	23	58
Thunder Bay Dis- trict				1		1									
Victoria				2	8	10				2	7	9			
Waterloo.....				2		2				1		1	1		1
Welland.....		1	1	3	1	4				3		3	2	1	3
Wellington.....				1	3	4				1		1			
Wentworth	1		1	4	5	9				3	2	5	2	2	4
York	2		2	50	41	91				43	35	78	18	7	25
Unascertained				6	2	8				1	1	2	1	1	2
Totals.....	79	87	166	1,357	1,340	2,697	11	6	17	454	319	773	349	368	717

TABLE No. 6—BROCKVILLE.

Showing the assigned Causes of Insanity in the cases admitted during year.

Causes.	Men.	Women.	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.)....	12	7	19	3	1	4	15
Mental Strain, Worry and Overwork (not included in above).....	1	16	17	.....	6	6	11
Religious Excitement	1	1	2	.....	.....	.....	2
Love Affairs, including seduction.....	.....	1	1	.....	.....	.....	1
Fright and Nervous Shock.....	.....	2	2	.....	1	1	1
PHYSICAL.							
Alcoholism	4	.....	4	4	.....	4	.....
Sexual Excess	1	.....	1	.....	.....	.....	1
Venereal Diseases	7	.....	7	1	.....	1	6
Masturbation .....	.....	.....	.....	.....	.....	.....	.....
Insolation .....	.....	.....	.....	.....	.....	.....	.....
Accident or Injury	4	.....	4	.....	.....	.....	4
Pregnancy .....	.....	.....	.....	.....	.....	.....	.....
Parturition and Puerperium .....	.....	.....	.....	.....	.....	.....	.....
Lactation .....	.....	.....	.....	.....	.....	.....	.....
Climacteric Period .....	.....	1	1	.....	.....	.....	1
Fevers .....	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork .....	.....	.....	.....	.....	.....	.....	.....
Epilepsy	4	3	7	3	1	4	3
Other Convulsive Diseases .....	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull .....	.....	1	1	.....	.....	.....	1
Senility	19	7	26	3	2	5	21
Exophthalmic Goitre .....	.....	1	1	.....	1	1	.....
Epidemic Influenza .....	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	1	.....	1	1	.....	1	.....
Loss of Special Sense .....	.....	.....	.....	.....	.....	.....	.....
Uræmia .....	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection .....	.....	1	1	.....	1	1	.....
Other Bodily Diseases	4	2	6	1	.....	1	5
HEREDITARY.							
Congenital Defect	20	41	61	20	33	53	8
Unascertained	1	3	4	.....	.....	.....	4
Not Insane .....	.....	.....	.....	.....	.....	.....	.....
Totals	79	87	166	36	46	82	84

TABLE No. 7—BROCKVILLE.

Showing hereditary tendency to insanity in patients admitted during the year
and since the opening of the Hospital.

	Admitted During Year.			Since Opening.		
	Male.	Female.	Total.	Male	Female.	Total.
Paternal Branch	12	14	26	162	163	325
Maternal Branch	15	13	28	148	153	301
Paternal and Maternal Branches.....	5	6	11	58	48	106
Collateral Branches	3	7	10	188	211	399
No Hereditary Tendency	43	46	89	521	467	988
Unascertained	1	1	2	280	298	578
Totals.....	79	87	166	1,357	1,340	2,697

TABLE No. 8—BROCKVILLE.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge.....	47	41	88
Discharged, Recovered	25	12	37
" Improved,.....	4	11	15
" Unimproved.....		1	1
Died			
Returned to Hospital	12	5	17
Absent on Probation	6	12	18
	47	41	88

TABLE No. 9—BROCKVILLE.

Showing the Causes of Death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever		1	1	.....	1	1
Influenza				2	1	3
Cerebro-spinal Meningitis				1	1	2
Diphtheria						
Erysipelas				3	1	4
Septicaemia				4	5	9
Dysentery		1	1	6	11	17
Syphilis					1	1
Tuberculosis	6	6	12	73	68	141
Constitutional Diseases:—						
Rheumatism					1	1
Arthritis Deformans						
Diabetes Mellitus						
Diseases of the Digestive System:—						
Mouth, salivary glands					1	1
Pharynx						
Tonsils						
Esophagus				1		1
Diseases of the Intestines:—						
Diseases of the Liver	1		1	5	4	9
“ “ Pancreas						
“ “ Peritoneum		1	1	5	4	9
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx				2		2
“ “ Bronchi		1	1	2	1	3
“ “ Lungs	1	1	2	20	19	39
“ “ Pleura				1	1	2
Diseases of the Circulatory System:—						
Diseases of the Pericardium						
“ “ Heart	1	2	3	35	29	64
Arterio-sclerosis	6	7	13	32	32	64
Aneurism				1		1
Diseases of the Blood and Ductless Glands:—						
Anæmia				3	1	4
Pernicious Anæmia						
Leukæmia						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System		1	1	16	10	26
Carried forward	15	21	36	212	192	404

TABLE No. 9—BROCKVILLE—*Continued.*

Showing the Causes of Death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	15	21	36	213	191	404
Diseases of the Nervous System:—						
Diseases of the Nerves.....				1	.....	1
“ “ Spinal Cord				1	.....	1
“ “ Meninges					4	4
Organic Diseases of the Brain: (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions).....	.....	1	1	26	17	43
Functional Nervous Diseases: (Paralysis Agitans, Chorea, Eclampsia, Hysteria).....	.....	.....	.....	.....	1	1
Epilepsy	3	1	4	48	21	69
Mental Diseases:—						
Exhaustion of Acute Mental Dis- ease	4	7	11	12	23	35
Exhaustion of Chronic Mental Disease .....	.....	1	1	64	44	108
General Paresis	2	1	3	46	8	54
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age.....	2	1	3	34	36	70
Accident					1	1
Suicide	1	1	2	6	4	10
Surgical Diseases				1	1	2
Gynæcological Diseases						
Malignant New Growths, or Cancer...	1	1	2	11	12	23
Totals	28	35	63	464	362	826

TABLE No. 10—BROCKVILLE.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses									
Exhaustion Psychoses:—									
(a) Collapsed Delirium	1		1				1		1
(b) Acute Confusional Psychoses		7	7		1	1		4	5
(c) Neurasthenia		1	1	1		1			
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic “	1	2	3						
(a) Alcoholism (acute and chronic) ..	6		6	6		6	1		1
(b) Delirium Tremens									
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinoses									
(e) Alcoholic Hallucinatory Dementia ..									
(f) “ Paranoia									
(g) “ Paresis									
(h) Morphinism	1		1						
(i) Cocainism									
Thyroidogenic Psychoses:—									
(a) Mixedematous Psychoses									
(b) Cretinism									
Dementia Præcox:—									
(a) Hebaphrenic	13	10	23	11	6	17	3	4	7
(b) Catatonic	7	16	23	3	9	12	3	5	8
(c) Paranoid	7	5	12	2	2	4			
General Paresis	6		6				2	1	3
Organic Dementias:—									
(a) Cerebral Sclerosis	1		1				1		1
(b) Huntingdon's Chorea									
(c) Multiple Sclerosis									
(d) Cerebral Syphilis									
(e) Tabetic Psychoses									
(f) Arterio Sclerotic Psychoses	2	1	3				6	1	7
(g) Cerebral Tumor, Abscess, Hæmorrhage ..		1	1						
Involution Psychoses:—									
(a) Melancholia	1	3	4		1	1			
(b) Pre-senile Delusional Psychoses	4	4	8	3		3			
(c) Senile Dementia	12	4	16	5	1	6	5	9	14
Manic Depressive Psychoses:—									
(a) Manic States	6	12	18	6	9	15	2	8	10
(b) Depressed States	2	4	6	2	4	6		2	2
(c) Mixed States		1	1						
Carried Forward ..	70	71	141	39	33	72	24	35	59

TABLE No. 10—BROCKVILLE—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	70	71	141	39	33	72	24	35	59
Paranoia	1	5	6						
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	4	3	7				4		4
(b) Hysterical Psychoses		1	1						
(c) Sexualis Psychopathia									
States of Deficient Mental Development:—									
(a) Imbecility	3	6	9	3	1	4			
(b) Idiocy	1	1	2						
Not Diagnosed									
Not Insane									
Total	79	87	166	42	34	76	28	35	63

TABLE No. 11—BROCKVILLE.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1913.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	35	13			1	9
From 1 to 2 months.....	17	12			1	3
" 2 " 3 "	17	13	2		1	7
" 3 " 4 "	10	15	3	1	1	1
" 4 " 5 "	9	14	1			1
" 5 " 6 "	4	9	4	1		2
" 6 " 9 "	16	22	9	8		2
" 9 " 12 "	2	14	9	6	1	3
" 12 " 18 "	2	39	10	4	1	2
" 18 months to 2 years..	17	21	2			4
" 2 to 3 years	11	68	2	1		3
" 3 " 4 "	7	43	2		1	3
" 4 " 5 "	1	42		1		1
" 5 " 10 "	6	153	1	2		8
" 10 " 15 "	8	138				7
" 15 " 20 "	2	101				7
" 20 years and upwards.	2					
Totals.....	166	717	45	24	7	63

HOSPITAL FOR THE INSANE, COBOURG.

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT FOR THE YEAR ENDING
OCTOBER 31ST, 1913.

NOVEMBER 1ST, 1913.

TO EDWIN R. ROGERS, ESQ.,

Inspector of Hospitals for Insane, Toronto, Ont.

SIR,—I have the honour to submit for your consideration the report for the Hospital for the Insane, Cobourg, for the twelve months ending October 31st, 1913.

During the year nineteen patients were admitted to this institution, all of whom were transferred from the Hospitals for the Insane at Mimico and Toronto. The average age of the patients admitted is much lower than usual and for this reason the matter of caring for them means an increase of work and greater responsibility. We do not complain of that however as we find the care of younger patients much more interesting and we can look forward with the hope of discharging some of them from time to time, partially, if not completely restored to health. With a little alteration of our building and some addition to our equipment we would be able to give acute cases as careful and thorough treatment here as could be provided elsewhere. Under such conditions it would not be necessary to send patients from this district who might be suffering from mental disease to distant points for treatment, often at considerable expense and inconvenience to both patients and friends. It is quite true that we are obliged to transfer excited patients to other hospitals from time to time but this would not be necessary if we had additional single rooms. It is well known that one disturbed patient is likely to cause much annoyance and discomfort to others occupying the same dormitory and indeed at times serious accidents may follow from such conditions. The number of deaths has been less than usual and the general health of the patients has been excellent indeed. Not a single case of any infectious or contagious disease occurred during the year.

In addition to the usual repairs necessary to keep the buildings in proper condition a considerable amount of additional work has been done in the different departments. A new ash hoist has been installed in the boiler room and we find it very useful indeed. A large electric fan has been placed in the laundry and we are no longer troubled with the excessive moisture which made it almost impossible at times to carry on the work. A fan has also been placed in the kitchen and one in the Bursar's office. A number of the old closets which have been in use in the building for years were removed and replaced by new ones. A number of partitions have been torn down and the bathrooms repainted. New furniture and furnishings were provided for the different halls which are now as bright and cheerful as may be seen anywhere. Alterations were made by which the Superintendent's residence is now heated by hot water instead of by steam. This change has proven very satisfactory and inexpensive. The roof of the main building which has been leaking for some time has also been repaired. A new poultry house has been erected and our first year's experiment in the raising of chickens is on the whole satisfactory. At present we are engaged putting in tile for drainage of our land and when this is completed we expect to increase very largely the pro-

ducts of our farm and garden, and to be able to produce a very considerable part of the food required for our patients. The products of our farm and garden have been on the whole satisfactory, although the excessively dry summer interfered to some extent with their growth. We ourselves should produce at comparatively small cost the principal articles of a diet most suitable for our patients.

During the year a course of lectures were delivered to the nurses. We were not able to cover the whole ground but I am quite sure however that these instructions have helped materially to improve the work of nursing and caring for our patients, and after all this is our most important responsibility.

Dances and entertainments were provided for our patients more frequently and are much appreciated. It is a matter of regret that we have not better accommodation for such purposes. The Salvation Army Band treated us to a splendid musical concert on Christmas Day which was much enjoyed and for which we are very thankful.

We have had less difficulty than usual in obtaining help during the year. Shorter hours, increased wages and more congenial surroundings have helped to promote a feeling of contentment. There is very little discord amongst the members of our staff.

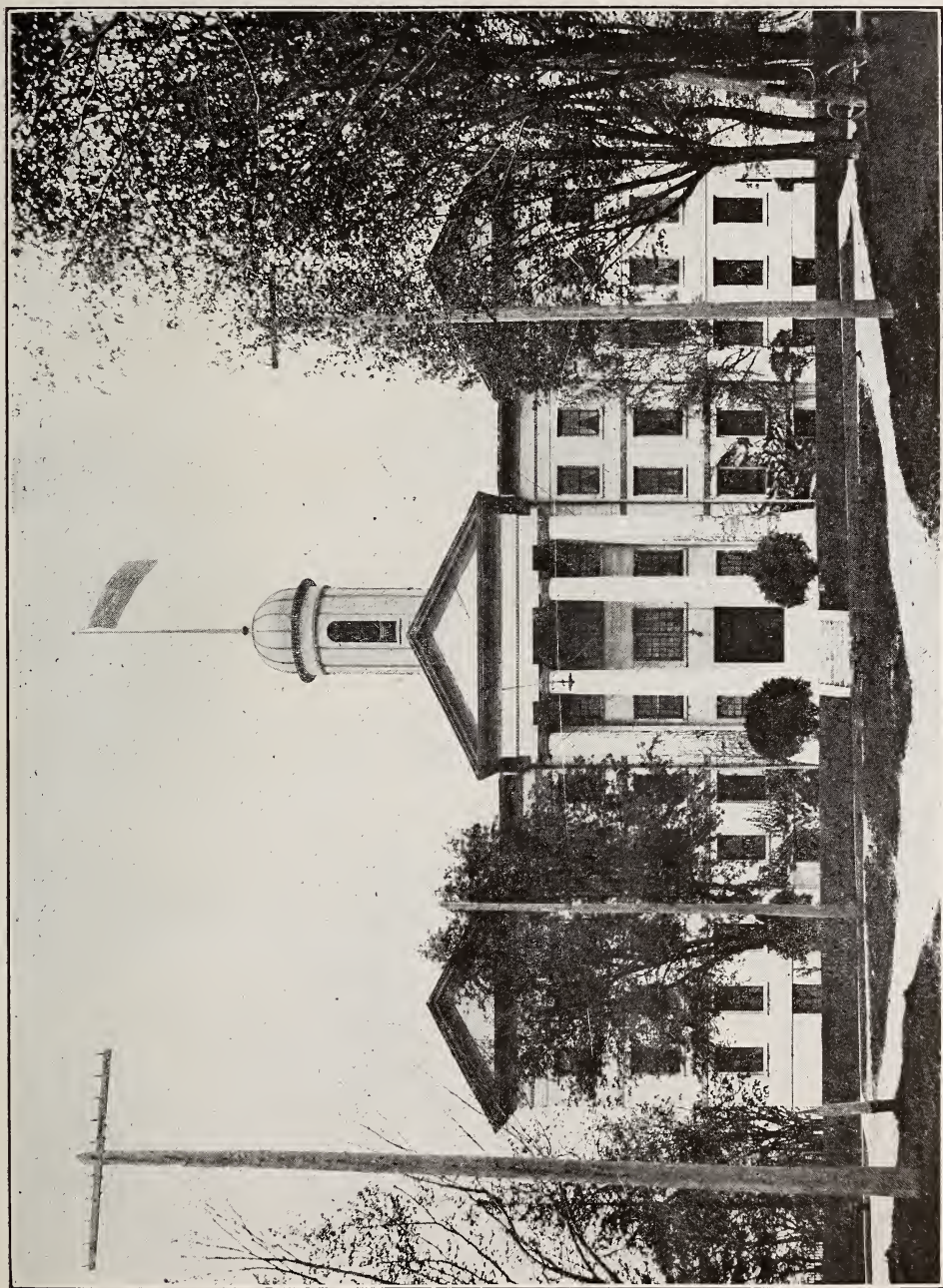
Before closing this brief report I wish to thank you for the kindly interest you have manifested in our work during the year just closed.

I have the honour to remain,

Your obedient servant,

THOS. J. MOHR,

Medical Superintendent.



Main Building, Cobourg.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, COBOURG, FOR THE YEAR
ENDING OCTOBER 31st, 1913.

TABLE No. 1—COBOURG.

Showing movements of patients in the Hospital for the official year ending October 31st, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital		155	155			
In Residence October 31st, 1912					152	152
Admitted during the year 1912-13.—						
By Warrant		8	8			
By Medical Certificate.....		11	11		19	19
Total number under treatment during year					171	171
Discharges during year:—						
As recovered.....		1	1			
“ improved		1	1			
“ unimproved						
“ not insane						
Total number discharged during year		2	2			
Died		12	12			
Deported						
Eloped						
Transferred		4	4		18	18
Remaining in Hospital October 31st, 1913					153	153
Total number admitted since opening of Hospital					301	301
Total number discharged since opening of Hospital		8	8			
Total number died since opening of Hospital		105	105			
Total number deported since opening of Hospital		2	2			
Total number eloped since opening of Hospital						
Total number transferred since opening of Hospital		33	33		148	148
Total remaining in Hospital October 31st, 1913					153	153
Daily average population		153.73	153.73			
Collective days' stay of all patients in residence during year			56,113			
Number of applications on file						

TABLE No. 2—COBOURG.

Showing the causes of death of patients who died during the year and since opening of Hospital.

	Admissions of year.			In residence Oct. 31, 1913.			Admission since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....		9	9	.....	83	83	.....	165	165
Married		8	8	.....	56	56	.....	109	109
Widowed		2	2	.....	14	14	.....	27	27
Divorced									
Separated									
Unascertained									
Totals.....		19	19	.....	153	153	.....	301	301
RELIGION.									
Baptists					4	4	.....	9	9
Congregationalists									
Church of England		3	3	.....	38	38	.....	69	69
Methodists		4	4	.....	45	45	.....	78	78
Presbyterians		7	7	.....	27	27	.....	57	57
Roman Catholics.....		3	3	.....	29	29	.....	64	64
Other Denominations.....				3	3	.....	15	15
Unascertained		2	2	.....	7	7	.....	9	9
Totals		19	19	.....	153	153	.....	301	301

TABLE No. 3—COBOURG.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	19	19	.....	301	301
Total born in Canada	14	14	.....	188	188
Armenia
Assyria
Austria
Australia
Belgium
Bulgaria
Central America
China
Denmark
England	1	1	.....	39	39
France	1	1	.....	2	2
Finland
Galicia
Germany	2	2
Greece
Holland
Hungary
Ireland	42	42
Italy
Japan
Macedonia
Other British Possessions
Norway	1	1
Roumania
Russia
Scotland	1	1	.....	18	18
South America
Spain
Sweden
Turkey
United States	2	2	.....	6	6
West Indies
Unascertained	3	3
Total	19	19	.....	301	301

TABLE No. 4—COBOURG.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:—						
Clergy, Military and Naval Officers, Physicians, Lawyers Architects, Artists, Authors, Civil Engineers, Surveyors, etc.		1	1		1	1
Commercial:—						
Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.					3	3
Agricultural and Pastoral:—						
Farmers, Gardeners, Stock Men, etc.						
Mechanics at Outdoor Vocations:—						
Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.						
Mechanics, etc., at Sedentary Vocations:—						
Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.		5	5		20	20
Domestic Service:—						
Waiters, Cooks, Servants, etc. ..		3	3		78	78
Education and Higher Domestic Duties:—						
Governesses, Teachers, Students, Housekeepers, Nurses, etc.		7	7		130	130
Miners, Marine Engineers, Railway Employees, Seamen, etc.						
Laborers						
No Occupation		3	3		69	69
Unascertained						
Total		19	19		301	301

TABLE No. 5—COBOURG.

Showing the Counties and Districts from which patients have been admitted during the year,
and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District...
Brant'.....	2	2	2	...	...	...	2	2	2	1	1	1
Bruce.....	1	1	1	...	...	...	...	...	...	1	1	1
Carleton.....	2	2	2	...	...	...	1	1	1	1	1	1
Dufferin.....
Dundas.....	2	2	2	...	...	...	...	...	...	2	2	2
Durham.....	22	22	22	...	...	...	3	3	3	6	6	6
Elgin.....	2	2	2	...	...	...	...	...	...	2	2	2
Essex.....	1	1	1	...	...	...	1	1	1	...	...	...
Frontenac.....	10	10	10	...	...	...	5	5	5	8	8	8
Glengarry.....	2	2	2	...	...	...	...	...	...	...	...	...
Grenville.....
Grey.....	6	6	6	...	...	...	3	3	3	6	6	6
Haldimand.....
Halton.....	2	2	2	...	...	...	1	1	1	1	1	1
Hastings.....	9	9	9	...	...	...	3	3	3	4	4	4
Huron.....	6	6	6	...	...	...	4	4	4	3	3	3
Kent.....	2	2	2	...	...	...	1	1	1	1	1	1
Lambton.....	5	5	5	...	...	...	1	1	1	2	2	2
Lanark.....	1	1	1	...	...	...	...	...	...	1	1	1
Leeds.....
Lennox and Ad- dington.....	6	6	6	...	...	...	4	4	4	1	1	1
Lincoln.....	5	5	5	...	...	...	3	3	3	3	3	3
Middlesex.....	13	13	13	...	...	...	4	4	4	8	8	8
Muskoka District.
Nipissing District.	1	1	1	...	...	...	...	...	...	1	1	1
Norfolk.....
Northumberland..	23	23	23	...	...	...	6	6	6	9	9	9
Ontario.....	2	2	2	17	17	17	1	1	1	10	10	10	8	8	8
Oxford.....	5	5	5	...	...	...	2	2	2	1	1	1
Parry Sound Dis- trict.....
Peel.....	3	3	3	...	...	...	2	2	2	1	1	1
Perth.....	3	3	3	...	...	...	2	2	2	1	1	1
Peterborough.....	2	2	2	19	19	19	1	1	1	7	7	7	8	8	8
Prescott.....
Prince Edward...	2	2	2	...	...	...	...	...	...	2	2	2
Rainy River Dis- trict.....
Renfrew.....	1	1	1	3	3	3	...	...	...	1	1	1	1	1	1
Russell.....
Simcoe.....	10	10	10	...	...	...	4	4	4	7	7	7
Stormont.....	2	2	2	...	...	...	1	1	1	1	1	1
Thunder Bay Dis- trict.....
Victoria.....	1	1	1	13	13	13	1	1	1	6	6	6	5	5	5
Waterloo.....
Welland.....
Wellington.....	5	5	5	...	...	...	2	2	2	2	2	2
Wentworth.....	9	9	9	...	...	...	4	4	4	4	4	4
York.....	12	12	12	85	85	85	4	4	4	48	48	48	49	49	49
Unascertained...	1	1	1	2	2	2	1	1	1	2	2	2	2	2	2
Totals.....	19	19	19	301	301	301	8	8	8	133	133	133	153	153	153

TABLE No. 6—COBOURG.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.
Mental Strain, Worry and Overwork (not included in above)	3	3	.....	.....	.....	.....
Religious Excitement
Love Affairs, including seduction
Fright and Nervous Shock
PHYSICAL.							
Alcoholism
Sexual Excess
Venereal Diseases
Masturbation
Insolation
Accident or Injury	1	1	.....	.....	.....	.....
Pregnancy
Parturition and Puerperium
Lactation
Climacteric Period
Fevers
Privation and Overwork
Epilepsy
Other Convulsive Diseases
Diseases of Brain and Skull
Senility	1	1	.....	.....	.....	.....
Exophthalmic Goitre
Epidemic Influenza
Abuse of Drugs
Loss of Special Sense
Uræmia
Other Auto-infection
Other Bodily Diseases
HEREDITARY.							
Unascertained.....
Congenital Defect	14	14	.....	19	19	.....
Not Insane
Totals	19	19	.....	19	19	.....

TABLE No. 7—COBOURG.

Showing hereditary tendency to insanity in patients admitted during the year
and since the opening of the Hospital.

	Admitted During Year.			Since Opening.		
	Male	Female	Total	Male	Female	Total
Paternal Branch.....	1	1	.....	8	8
Maternal Branch.....	15	15
Paternal and Maternal Branches.....	6	6
Collateral Branches.....	2	2	.....	29	29
No Hereditary Tendency.....	11	11	.....	204	204
Unascertained.....	5	5	.....	39	39
Totals.....	19	19	.....	301	301

TABLE No. 8—COBOURG.

Showing summary of probational discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharge.....	2	2
Discharged, Recovered while on Probation.....	1	1
“ Improved “ “ “	1	1
“ Unimproved “ “ “
Died while on Probation.....
Returned to Hospital.....
Absent on Probation on October 31st, 1913.....

TABLE No. 9—COBOURG.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever						
Influenza		1	1		2	2
Cerebro-spinal Meningitis.....						
Diphtheria						
Erysipelas						
Septicæmia						
Dysentery					5	5
Syphilis						
Tuberculosis		1	1		9	9
Constitutional Diseases:—						
Rheumatism					1	1
Arthritis Deformans						
Diabetes Mellitus						
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus						
Diseases of the Intestines:—						
Diseases of the Liver						
Diseases of the Pancreas.....						
Diseases of the Peritoneum.....					1	1
Diseases of the Rectum (Prolapse)..					1	1
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx.						
“ “ Bronchi					1	1
“ “ Lungs					11	11
“ “ Pleura						
Diseases of the Circulatory System:—						
Diseases of the Pericardium ..						
Diseases of the Heart.....		4	4		19	19
Arterio-sclerosis						
Aneurism						
Diseases of the Blood and Ductless Glands:—						
Anæmia						
Pernicious Anæmia						
Leukæmia.....						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System		2	2		4	4
<i>Carried Forward</i>		8	8		54	54

TABLE No. 9—COBOURG—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	8	8	.....	54	54
Diseases of the Nervous System:—						
Diseases of the Nerves.....						
“ “ Spinal Cord						
“ “ Meninges.....					1	1
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions).....					4	4
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria).....						
Epilepsy		1	1		3	3
Mental Diseases:—						
Exhaustion of Acute Mental Dis- ease.....					3	3
Exhaustion of Chronic Mental Dis- ease					10	10
General Paresis					1	1
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke					1	1
Debility of Old Age.....		3	3		22	22
Accident						
Suicide						
Surgical Diseases					3	3
Gynæcological Diseases.....						
Malignant new Growths, or Cancer.....					3	3
Totals.....		12	12		105	105

TABLE No. 10—COBOURG.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses :—									
(a) Fever Delirium
(b) Infection Delirium
(c) Post Infection Psychoses.....
Exhaustion Psychoses :—									
(a) Collapsed Delirium
(b) Acute Confusional Psychoses.....
(c) Neurasthenia.....
Intoxication Psychoses :									
(a) Acute Intoxications.....
(b) Chronic “
(a) Alcoholism (acute and chronic)
(b) Delirium Tremens.....
(c) Korsakow's Psychoses
(d) Acute Alcoholic Hallucinosi.....
(e) Alcoholic Hallucinatory Dementia.....
(f) “ Paranoia
(g) “ Paresis
(h) Morphinism
(i) Cocainism
Thyroigenous Psychoses :—									
(a) Mixœdematous Psychoses.....
(b) Cretinism.....	1	1	.....	.....	.....	.....	.....	.....
Dementia Præcox :—									
(a) Hebaphrenic	11	11	.....	2	2	.....	6	6
(b) Catatonic	2	2	.....	.....	.....	.....	.....	.....
(c) Paranoid.....	4	4	.....	.....	.....	.....	1	1
General Paresis.....
Organic Dementias :—									
(a) Cerebral Sclerosis
(b) Huntingdon's Chorea
(c) Multiple Sclerosis
(d) Cerebral Syphilis
(e) Tabetic Psychoses
(f) Arterio Sclerotic Psychoses
(g) Cerebral Tumor, Abscess, Hæmorrhage....
Involution Psychoses :—									
(a) Melancholia
(b) Pre-senile Delusional Psychoses
(c) Senile Dementia.....	1	1	.....	.....	.....	.....	3	3
Manic Depressive Psychoses :—									
(a) Manic States.....
(b) Depressed States
(c) Mixed States.....
Carried Forward	19	19	.....	2	2	.....	10	10

TABLE No. 10—COBOURG—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward.....	19	19	....	2	2	....	10	10
Paranoia
Psychoses from Constitutional Neuroses :—									
(a) Epileptic Psychoses	1	1
(b) Hysterical Psychoses.....
(c) Sexualis Psychopathia.....
States of Deficient Mental Development :—									
(a) Imbecility	1	1
(b) Idiocy
Not Diagnosed
Not Insane
Totals	19	19	....	2	2	....	12	12

TABLE No. 11—COBOURG.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1913.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	....	....	....	....	....	....
From 1 to 2 months.....	....	5	....	....	....	....
" 2 " 3 " .....	....	5	1	....	....	....
" 3 " 4 "	1	....	....	....	....	....
" 4 " 5 " .....	....	....	....	....	....	....
" 5 " 6 " .....	....	....	....	....	....	....
" 6 " 9 " .....	....	5	....	1	....	....
" 9 " 12 "	1	2	....	....	....	....
" 12 " 18 "	5	9	....	....	....	....
" 18 months to 2 years.....	....	3	....	....	....	1
" 2 to 3 years	1	21	....	....	....	1
" 3 " 4 "	2	8	....	....	....	2
" 4 " 5 "	1	9	....	....	....	1
" 5 " 10 "	2	22	....	....	....	1
" 10 " 15 "	2	64	....	....	....	6
" 15 " 20 "	4	....	....	....	....	....
" 20 years and upwards..	....	....	....	....	....	....
Totals.....	19	153	1	1	....	12

HOSPITAL FOR THE INSANE, HAMILTON.

DECEMBER 8, 1913.

E. R. ROGERS, ESQ.,

*Inspector of Hospitals for Insane, Parliament Buildings,
Toronto, Ont.*

SIR,—In compliance with the statutes, I beg herewith to submit the 38th Annual Report regarding this Hospital, being for the official year ending Oct. 31st, 1913.

Our admissions numbered 224 and discharges of those fit to return home 91 and by deportation, transfer to other hospitals and death 113, or a total of 204.

The patients remaining on our roll at the end of the year numbered 1,311.

CROPS.

As the season was a most favorable one, the returns from the garden and farm were considerably above anticipations.

Of the various fruits there was supplied to the several buildings or placed in storage for future use 188,811 lbs., and vegetables 263,433 lbs. (the latter having equalled ten tons to the acre).

We anticipate that in our root house trenches and cold storage there are enough vegetables, potatoes excepted, and apples to carry us through to the late spring or early summer.

DAIRY.

The returns herefrom have been most excellent, and our young stock raised from the best animals in the herd are showing the evidence of care in breeding and early life in that they are producing better records than their dams.

Seven of the pure bred Holsteins have been entered in the Record of Performance test conducted by the Department of Agriculture, Ottawa.

One, a mature cow, in 318 days gave 16,185 lbs. of milk yielding 685 lbs. of butter. Another junior 3 years old, in 360 days gave 20,436 lbs. or a daily average of 56.76 lbs.; while another mature cow, the dam of the second cow referred to, from Jan. 1st to Oct. 31st gave 21,397 lbs. or 70.3 lbs. per day and is still giving a fair amount (her best day's production was 91 lbs.).

NEW WORK DONE BY MASON, CARPENTER, ENGINEER, ETC.

The cement block silo, in size 20 x 35 feet, was completed and filled and bids fair to give every satisfaction.

A similar one should be erected without the barn at Hickory Farm to replace the 16 foot stone one now occupying most useful and necessary space within the dairy stable and loft.

Cement curbs and ash pits have been constructed about the Infirmary and Shack and the grounds levelled and much improved in appearance.



Main Building, Hamilton.

The stone driving and storage shed at the Main Barn has been completed and provides much needed shelter for waggons, sleighs, etc.

The storage shed and stable for the gardener is well under way as the stonework for the walls is completed and carpenter work well in hand.

The wind mill at Hickory Farm which was our sole power for pumping water required for domestic use as well as in the stables, was replaced by an electrically driven deep well pump which is giving the utmost satisfaction.

At Hickory Farm also the ice pond was pumped out and the accumulated weeds removed and walls straightened, and it is again almost full with as clean and pure a supply of spring water as can be obtained anywhere.

The new orchard on this farm, which has been so excellently arranged by Mr. Todd, the Farm Director, gives promise of developing satisfactorily as very few, comparatively speaking, of the hundreds of trees have been lost.

MOVEMENTS OF STAFF.

On Dec. 21st, 1912, Dr. Kenneth T. McLean who had been in the service from the previous March retired to take up general practice and on Sept. 5th, 1913, Dr. Austin Evans, who had rendered most efficient service from the previous October, resigned also to enter general practice.

A large number of changes have occurred among the nurses and attendants, especially the former, but at present we have one of the most interested and hard working classes of girls that it has been our good fortune to start in training.

RECREATION.

Lawn tennis, lawn bowling, football, skating and curling have been well patronized and appreciated and many interesting games with other clubs enjoyed.

Our soccer football team was exceptionally fortunate in that they played 34 consecutive games without a defeat, and in the whole season lost only one match and another friendly game—they were in consequence winners of the District Intermediate Championship, as also the Ontario Intermediate Championship cup.

We also enjoyed the unique experience for this district of playing a portion of the "District Cup Competition" in curling on the open ice of Hickory Farm Pond in January.

REQUIREMENTS.

Central Boiler House.

The matter of a central plant for heating the several buildings and officers' residences and shops again looms up prominently before us when we consider the extremely large coal accounts now incurred and the yearly overdrafts to be met.

We are convinced that the estimated expenditure for coal—\$25,000 for the year 1913-14—could be cut almost in half were the changes made, and also a much more efficient and satisfactory service rendered.

Main Building Kitchen.

In this kitchen the brass double jacketed and iron steam kettles used in cooking have been in service for well nigh thirty years and there are seven now in use that should be replaced; we would recommend that a steam roaster and two double-jacketed aluminium kettles be purchased during the coming year.

Engineer's Machinery.

When we consider the large amount of pipe cutting that is done by our engineers in the replacing of steam, water and gas pipes, the renewal of the bathrooms and lavatory fittings and new work in connection with dairy barns, fencing, etc., it becomes more and more evident that a power pipe cutting machine should be installed and we sincerely trust that our estimates for the same may meet with your approval.

Laundry.

The present drying section has passed its usefulness and even with the single modern drying section installed some two years ago, is utterly inadequate for our requirements.

In the laundry also much efficiency would be added if a half dozen or more electric irons with control boxes and pilot lights, etc., were installed.

An electrically driven hoist has been purchased to replace the hand apparatus and we hope to instal it during the coming winter.

Root Storage for Gardener.

Time did not afford for the commencement of the new root house for which elaborate and most complete plans have been prepared and it is hoped that early in the coming spring we may be enabled to start the work as the need for such accommodation is very great.

Road Work.

By the renting of a stone crusher in the spring we were enabled to obtain a large amount of broken stone, which besides providing road metal gave a considerable amount of screenings which did away with the purchase of gravel for cement work.

By an arrangement with the Council of Barton Township, we furnished patient and expert labor in laying, under the supervision of their engineer, over 2,000 feet of cement curb and gutter along a large portion of the mountain brow road, leading from the Incline Railway to our entrance gates, the intention being to remake entirely the macadamized road, but as the township authorities were unable to secure a steam roller when required the finishing of the work was laid over for another season.

In addition to the labor we agreed to furnish the necessary crushed stone and a couple of teams to assist in hauling it.

Greenhouses.

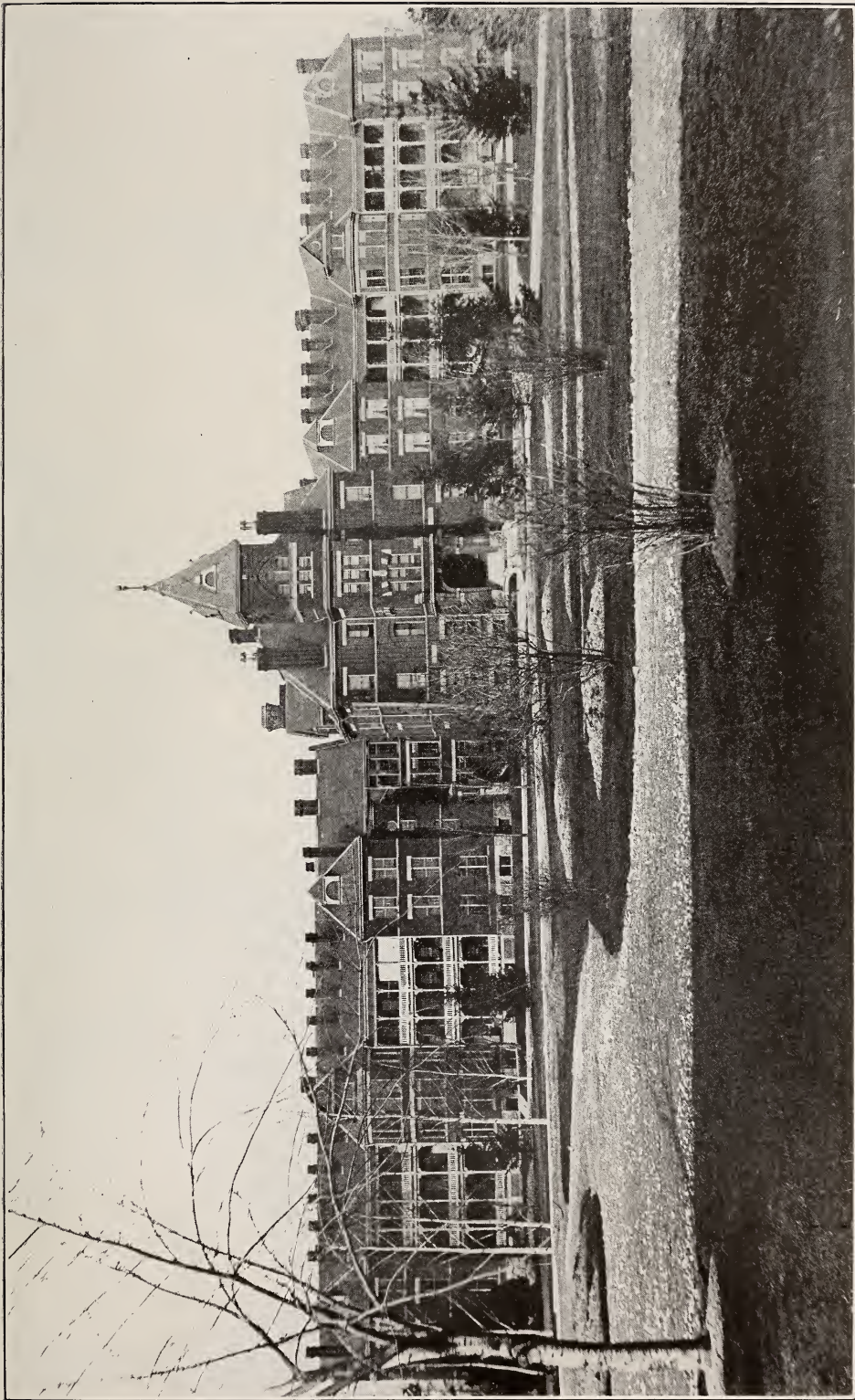
The erection of extensive greenhouses adjacent to the Gardener's residence is we believe advisable, and some provision should be made at an early date as the houses at present in use are entirely inadequate in size and falling to pieces.

Thanking you most sincerely for your always ready advice and assistance so freely and cordially given, I am,

Your obedient servant,

W. M. ENGLISH,

Medical Superintendent.



Orchard House, Hamilton.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, HAMILTON, FOR THE YEAR
ENDING OCTOBER 31ST, 1913.

TABLE No. 1—HAMILTON.

Showing movements of patients in the Hospital for the official year ending
October 31st, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	656	639	1,295			
In Residence October 31st, 1912.....				653	638	1,291
Admitted during year 1912-13:						
Voluntary	2	.....	2			
By Warrant	77	22	99			
By Medical Certificate	55	68	123	134	90	224
Total number under treatment during year				787	728	1,515
Discharges during year:—						
As recovered	16	12	28			
" improved	29	29	58			
" unimproved	4	1	5			
" not insane .....	.....	.....	.....
Total number discharged during year	49	42	91			
Died	54	34	88			
Deported	8	.....	8			
Eloped	3	.....	3			
Transferred	6	8	14	120	84	204
Remaining in Hospital October 31st, 1913				667	644	1,311
Total number admitted since opening of Hospital				3,116	3,063	6,179
Total number discharged since open- ing of Hospital	1,135	1,308	2,443			
Total number died since opening of Hospital	974	851	1,825			
Total number deported since opening of Hospital	32	5	37			
Total number eloped since opening of Hospital	100	9	109			
Total number transferred since open- ing of Hospital	208	246	454	2,449	2,419	4,868
Total remaining in Hospital October 31st, 1913				667	644	1,311
Daily average population	664	642	1,306			
Collective days' stay of all patients in residence during year	242,398	234,369	476,767			
Number of applications on fyle.....	4	7	11			

TABLE No. 2—HAMILTON.

Showing Social State and Religion of patients admitted during the year and since opening of Hospital.

	Admissions of year.			In residence Oct. 31, 1913.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....	77	42	119	469	337	806	1,672	1,272	2,944
Married.....	57	48	105	198	307	505	1,444	1,791	3,235
Widowed.....									
Divorced.....									
Separated.....									
Unascertained.....									
Totals.....	134	90	224	667	644	1,311	3,116	3,063	6,179
RELIGION.									
Baptists.....	8	13	21	41	47	88	176	207	383
Congregationalists.....	3	.....	3	6	2	8	21	15	36
Church of England.....	28	19	47	113	115	228	583	538	1,121
Methodists.....	35	16	51	155	145	300	735	753	1,488
Presbyterians.....	18	16	34	103	116	219	581	583	1,164
Roman Catholics.....	22	12	34	128	107	235	536	556	1,092
Other Denominations...	11	7	18	81	87	168	324	355	639
Unascertained.....	9	7	16	40	25	65	160	96	256
Totals.....	134	90	224	667	644	1,311	3,116	3,063	6,179



Fire Brigade, Hamilton.

TABLE No. 3—HAMILTON.

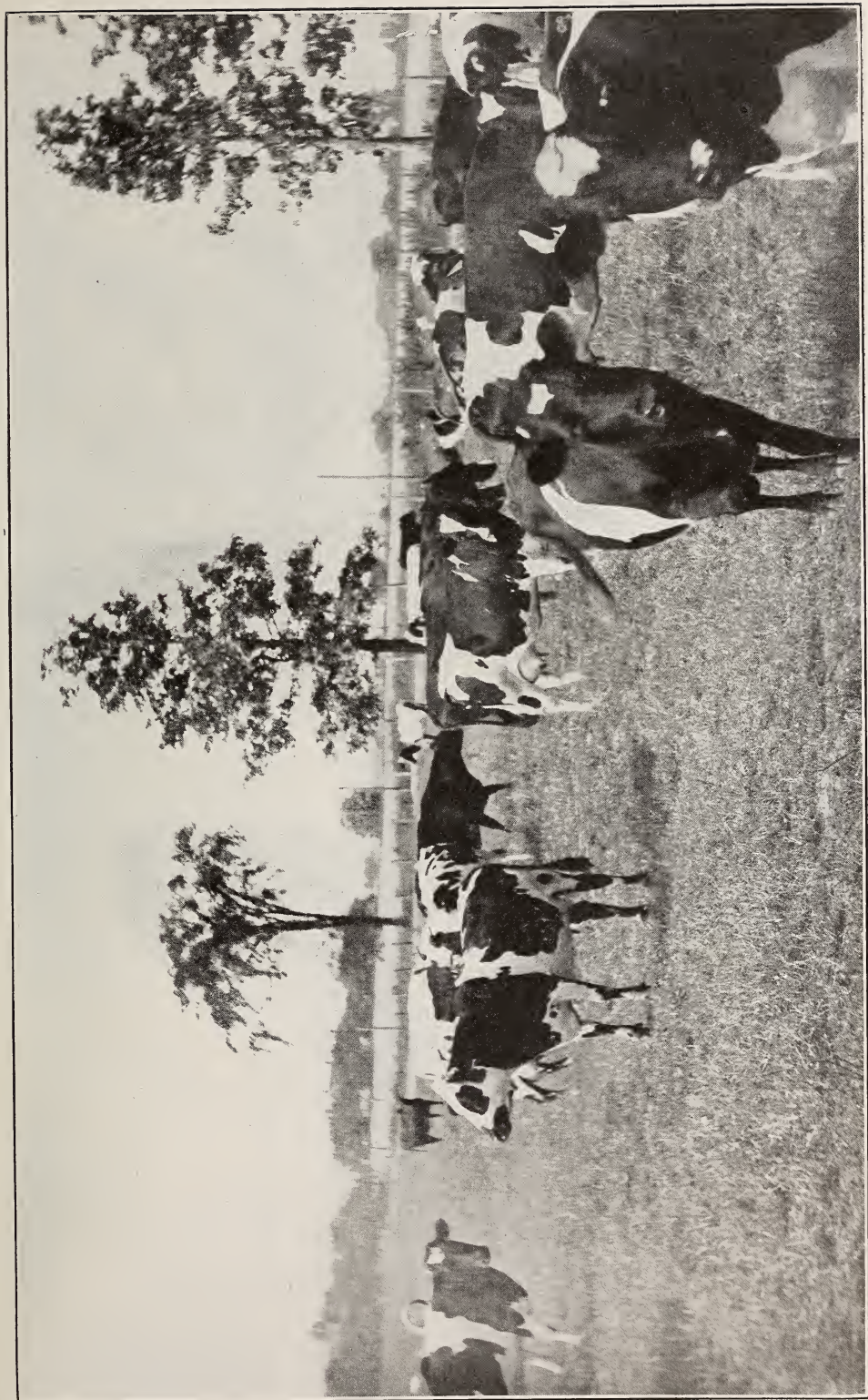
Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	134	90	224	3,116	3,063	6,179
Total born in Canada	89	68	157	1,900	1,934	3,834
Armenia						
Assyria		1	1		1	1
Austria	1		1	4	1	5
Australia				1		1
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	23	12	35	465	322	787
France				2		2
Finland				1		1
Galicia				2		2
Germany	1	2	3	2	5	7
Greece				9	12	21
Holland				1		1
Hungary	1		1	3		3
Ireland	3	2	5	283	398	681
Italy				6	1	7
Japan						
Macedonia						
Other British possessions				95	88	183
Norway						
Roumania	1		1	3		3
Russia	3		3	9	4	13
Scotland	6	1	7	196	176	372
South America				2	1	3
Spain						
Sweden	1		1	3		3
Turkey						
United States	4	4	8	72	78	150
Poland	1		1	1		1
Unascertained				56	42	98
Totals	134	90	224	3,116	3,063	6,179

TABLE No. 4—HAMILTON.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	2	.....	2	50	2	52
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	16	3	19	159	30	189
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	30	.....	30	912	3	915
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	5	.....	5	236	2	238
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	29	2	31	357	98	455
Domestic Service:— Waiters, Cooks, Servants, etc. ....	.....	10	10	8	605	613
Education and Higher Domestic Duties:— Governesses, Teachers, Students, Housekeepers, Nurses, etc. ....	.....	61	61	81	1,888	1,969
Miners, Marine Engineers, Railway Employees, Seamen, etc.	7	.....	7	32	.....	32
Laborers	39	.....	39	851	4	855
No Occupation	6	14	20	150	208	358
Unascertained ....	.....	.....	.....	280	223	503
Totals	134	90	224	3,116	3,063	6,179



Part of Herd of Holsteins, Hamilton.

TABLE No. 5—HAMILTON.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District ..	1	...	1	14	6	20	1	...	1	13	1	14	5	...	5
Brant	6	3	9	170	191	361	3	...	3	70	39	109	42	47	89
Bruce	1	1	2	8	20	28	...	...	...	6	8	14	2	3	5
Carleton .....	...	...	...	10	11	21	...	...	...	9	7	16	...	2	2
Dufferin	4	3	7	57	65	122	2	...	2	31	17	48	13	13	26
Dundas .....	...	...	...	2	3	5	...	...	...	2	1	3	...	...	...
Durham .....	...	...	...	10	17	27	...	...	...	9	7	16	1	...	1
Elgin .....	...	...	...	7	7	14	...	...	...	3	2	5	1	...	1
Essex	1	...	1	7	1	8	1	...	1	4	1	5	5	...	5
Frontenac .....	...	...	...	28	9	37	...	...	...	27	3	30	9	1	10
Glengarry .....	...	...	...	5	4	9	...	...	...	4	1	5	...	...	...
Grenville .....	...	...	...	4	3	7	...	...	...	4	2	6	1	...	1
Grey	11	8	19	218	166	384	4	1	5	136	63	199	67	51	118
Haldimand	4	3	7	128	126	254	4	...	4	59	22	81	26	29	55
Halton	4	1	5	103	104	207	1	...	1	43	25	68	22	22	44
Hastings .....	...	...	...	6	8	14	...	...	...	6	6	12	...	...	...
Huron .....	...	2	2	5	14	19	...	1	1	2	4	6	1	2	3
Kent	1	...	1	8	7	15	1	...	1	7	1	8	2	1	3
Lambton .....	...	...	...	11	5	16	...	...	...	9	1	10	5	...	5
Lanark .....	...	...	...	1	3	4	...	...	...	1	1	2	...	...	...
Leeds .....	...	...	...	4	5	9	...	...	...	4	4	8	1	2	3
Lennox and Addington	1	...	1	11	1	12	1	...	1	10	...	10	...	...	...
Lincoln	1	3	4	156	172	328	...	2	2	90	49	139	29	30	59
Middlesex .....	...	...	...	21	14	35	...	...	...	11	8	19	4	1	5
Muskoka District ..	1	1	2	18	3	21	1	...	1	11	2	13	2	1	3
New Brunswick .....	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
Nipissing District ..	1	1	2	12	8	20	1	1	2	54	38	92	3	3	6
Norfolk	5	2	7	120	119	239	2	1	3	13	6	19	31	24	55
Northumberland ..	...	...	...	26	17	43	...	...	...	14	8	22	1	2	3
Ontario	1	...	1	28	34	62	1	...	1	22	21	43	5	2	7
Oxford	1	...	1	19	18	37	1	...	1	14	10	24	5	1	6
Parry Sound Dist. ..	...	...	...	5	6	11	...	...	...	5	3	8	1	2	3
Peel .....	...	1	1	20	28	48	...	1	1	6	9	15	3	6	9
Perth .....	...	1	1	7	12	19	...	...	...	7	7	14	3	3	6
Peterborough .....	...	1	1	10	18	28	...	...	...	10	11	21	...	...	...
Prescott .....	...	...	...	3	7	10	...	...	...	3	6	9	...	2	2
Prince Edward .....	...	...	...	5	2	7	...	...	...	3	2	5	...	...	...
Quebec .....	...	...	...	1	...	1	...	...	...	1	...	1	1	...	1
Rainy River Dist. ..	...	...	...	6	1	7	...	...	...	6	1	7	4	1	5
Renfrew .....	...	...	...	5	2	7	...	...	...	4	...	4	...	...	...
Russell .....	...	...	...	...	1	1	...	...	...	...	1	1	...	1	1
Saskatchewan .....	...	...	...	...	1	1	...	...	...	...	...	...	1	1	2
Simcoe	2	3	5	219	165	384	1	...	1	152	82	234	17	13	30
Stormont .....	...	...	...	6	3	9	...	...	...	5	1	6	1	...	1
Thunder Bay Dist. ..	1	2	3	11	5	16	1	2	3	10	2	12	4	3	7
Victoria .....	...	...	...	13	22	35	...	...	...	11	18	29	2	1	3
Waterloo	6	8	14	192	198	390	3	2	5	100	34	134	55	64	119
Welland	12	4	16	161	190	351	5	1	6	66	35	101	40	48	88
Wellington	7	5	12	268	287	555	4	...	4	100	44	144	57	67	124
Wentworth	56	36	92	748	732	1,480	36	9	45	227	109	336	163	167	330
York	6	1	7	211	220	431	3	1	4	171	162	333	29	28	57
Unascertained .....	...	...	...	7	2	9	...	...	...	2	1	3	2	...	2
Total	134	90	224	3,116	3,063	6,179	77	22	99	1,579	888	2,467	667	644	1311

TABLE No. 6—HAMILTON.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....	9	11	20	3	4	7	13
Mental Strain, Worry and Overwork (not included in above).....	6	7	13	2	6	8	5
Religious Excitement .....	.....	.....	.....	.....	.....	.....	.....
Love Affairs, including seduction.....	.....	.....	.....	.....	.....	.....	.....
Fright and Nervous Shock.....	.....	2	2	.....	1	1	1
PHYSICAL.							
Alcoholism	22	.....	22	6	.....	6	16
Sexual Excess	3	.....	3	.....	.....	.....	3
Venereal Diseases	2	1	3	.....	1	1	2
Masturbation	10	.....	10	3	.....	3	7
Insolation .....	.....	.....	.....	.....	.....	.....	.....
Accident or Injury	3	2	5	2	.....	2	3
Pregnancy .....	.....	1	1	.....	.....	.....	1
Parturition and Puerperium.....	.....	5	5	.....	2	2	3
Lactation .....	.....	.....	.....	.....	.....	.....	.....
Climacteric Period .....	.....	.....	.....	.....	.....	.....	.....
Fevers .....	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork.....	2	3	5	1	.....	1	4
Epilepsy	6	3	9	.....	1	1	8
Other Convulsive Diseases.....	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull.....	1	.....	1	.....	.....	.....	1
Senility	3	7	10	2	1	3	7
Exophthalmic Goitre .....	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza .....	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs.....	1	.....	1	.....	.....	.....	1
Loss of Special Sense.....	.....	.....	.....	.....	.....	.....	.....
Uræmia .....	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection .....	.....	.....	.....	.....	.....	.....	.....
Other Bodily Diseases.....	3	8	11	1	5	6	5
HEREDITARY.							
Congenital Defect	15	3	18	6	1	7	11
Unascertained	48	37	85	16	8	24	61
Not Insane .....	.....	.....	.....	.....	.....	.....	.....
Totals.....	134	90	224	42	30	72	152

TABLE No. 7—HAMILTON.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year			Since Opening		
	Male	Female	Total	Male	Female	Total
Paternal Branch	3	4	7	64	35	99
Maternal Branch	7	2	9	62	43	105
Paternal and Maternal Branches	4	2	6	18	23	41
Collateral Branches	25	16	41	74	87	161
No Hereditary Tendency	3	6	9	184	176	360
Unascertained	92	60	152	241	174	415
Totals	134	90	224	643	538	1,181

TABLE No. 8—HAMILTON.

Showing summary of probational discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharge	44	53	97
Discharged, Recovered while on Probation	10	10	20
“ Improved “ “ “	20	21	41
“ Unimproved “ “ “	2	.....	2
Died while on Probation .....	.....	.....	.....
Returned to Hospital while on Probation	6	13	19
Absent on Probation on October 31st, 1913	6	9	15

TABLE No. 9—HAMILTON.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases :—						
Typhoid Fever.....	2	.....	2	6	1	7
Influenza .....	.....	.....	.....	2	2	4
Cerebro-spinal Meningitis .....	.....	.....	.....	.....	.....	.....
Diphtheria .....	.....	.....	.....	.....	.....	.....
Erysipelas .....	.....	.....	.....	11	6	17
Septicæmia.....	1	1	2	12	6	18
Dysentery	1	.....	1	14	14	28
Syphilis .....	.....	.....	.....	.....	.....	.....
Tuberculosis	6	9	15	143	167	310
Constitutional Diseases :—						
Rheumatism .....	.....	.....	.....	.....	1	1
Arthritis Deformans .....	.....	.....	.....	.....	.....	.....
Diabetes Mellitus	1	.....	1	2	.....	2
Diseases of the Digestive System :—						
Mouth, salivary glands.....	.....	.....	.....	.....	.....	.....
Pharynx .....	.....	.....	.....	.....	.....	.....
Tonsils .....	.....	.....	.....	.....	.....	.....
Œsophagus .....	.....	.....	.....	.....	.....	.....
Enteritis .....	.....	.....	.....	5	13	18
Diseases of the Intestines :—						
Diseases of the Liver.....	1	.....	1	4	9	13
“ “ Pancreas.....	.....	1	1	.....	1	1
“ “ Peritoneum	1	.....	1	10	8	18
Intestinal Obstruction.....	.....	.....	.....	5	3	8
Diseases of the Respiratory System :—						
Diseases of the Nose and Larynx....	.....	.....	.....	1	.....	1
“ “ Bronchi.....	.....	.....	.....	3	1	4
“ “ Lungs	6	1	7	63	36	99
“ “ Pleura.....	.....	.....	.....	1	2	3
Diseases of the Circulatory System :						
Diseases of the Pericardium .....	.....	.....	.....	.....	.....	.....
“ “ Heart	2	3	5	69	50	119
Arterio-sclerosis .....	.....	.....	.....	11	7	18
Aneurism .....	.....	.....	.....	2	.....	2
Diseases of the Blood and Ductless Glands :—						
Anæmia.....	.....	.....	.....	2	5	7
Pernicious Anæmia .....	.....	.....	.....	8	10	18
Leukæmia.....	.....	.....	.....	.....	.....	.....
Exophthalmic Goitre.....	.....	.....	.....	.....	.....	.....
Purpura Hæmorrhage.....	.....	.....	.....	3	3	6
Diseases of the Genito-Urinary System ..	5	.....	5	25	14	39
Carried Forward	26	15	41	414	359	761

TABLE No. 9—HAMILTON—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	26	15	41	414	359	761
Diseases of the Nervous System :—						
Diseases of the Nerves						
" " Spinal Cord						
" " Meninges				1	6	7
Organic Diseases of the Brain— (Tumor, Abscess, Embolism, Thromboids, Hæmorrhage, and other gross lesions)	4	3	7	36	59	115
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)				1	1	2
Epilepsy	4	3	7	84	49	138
Mental Diseases :—						
Exhaustion of Acute Mental Dis- ease	4	8	12	51	115	166
Exhaustion of Chronic Mental Dis- ease	3	3	6	67	82	149
General Paresis	5		5	139	18	157
Intoxications :—						
Alcoholism	1		1	1		1
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age	7	1	8	123	109	232
Accident				14	2	16
Suicide				7	15	22
Surgical Diseases				12	10	22
Gynæcological Diseases					2	2
Malignant New Growths, or Cancer		1	1	11	24	35
Totals	54	34	88	974	841	1,825

TABLE No. 10—HAMILTON.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses :—									
(a) Fever Delirium		1	1						
(b) Infection Delirium									
(c) Post Infection Psychoses					1	1			
Exhaustion Psychoses :—									
(a) Collapsed Delirium					1	1			
(b) Acute Confusional Psychoses	1	6	7		3	3			
(c) Neurasthenia					1	1			
Intoxication Psychoses :—									
(a) Acute Intoxication					1	1			
(b) Chronic									
(a) Alcoholism (acute and chronic)	13		13	12		12	2		2
(b) Delirium Tremens	1		1	1		1			
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosiis	1		1	1		1			
(e) Alcoholic Hallucinatory Dementia	1		1						
(f) " Paranoia									
(g) " Paresis									
(h) Morphinism	1		1						
(i) Cocainism									
Thyroidogenous Psychoses :—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox :									
(a) Hebaphrenic	10	4	14	3	4	7	3	1	4
(b) Catatonic	30	24	54	5	9	14	5	2	7
(c) Paranoid	19	13	32	8	3	11	6	4	10
General Paresis	10		10				8		8
Organic Dementias :—Traumatic	1		1						
(a) Cerebral Sclerosis									
(b) Huntingdon's Chorea									
(c) Multiple Sclerosis									
(d) Cerebral Syphilis									
(e) Tabetic Psychoses									
(f) Arterio Sclerotic Psychoses	1		1				1		1
(g) Cerebral Tumor, Abscess, Hæmorrhage ..	1		1				1		1
Involution Psychoses :—									
(a) Melancholia	5	12	17	4	2	6	2	8	10
(b) Pre-senile Delusional Psychoses				1		1	1	1	2
(c) Senile Dementia	4	10	14	1	3	4	9	3	12
Manic Depressive Psychoses :—									
(a) Manic States	3	7	10	4	11	15	3	9	12
(b) Depressed States	2	6	8				2	2	4
(c) Mixed States	2		2	2		2	2		2
Carried Forward	106	83	185	42	39	81	45	30	75

TABLE No. 10—HAMILTON—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	106	83	185	42	39	81	45	30	75
Paranoia					2	2			
Psychoses from Constitutional Neuroses :—									
(a) Epileptic Psychoses	3	3	6	1	1	2	5	2	7
(b) Hysterical Psychoses	1	1	2						
(c) Sexualis Psychopathia		2	2						
States of Deficient Mental Development :—									
(a) Imbecility	20	1	21	2		2	3	2	5
(b) Idiocy									
Not Diagnosed.....	4		4	4		4	1		1
Not Insane									
Total	134	90	224	49	42	91	54	34	88

TABLE No. 11—HAMILTON.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1913.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged im-proved during the year.	Periods of treatment of those who were discharged unim-proved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	50	25		3		13
From 1 to 2 months	23	19		1	1	6
" 2 " 3 "	18	13		1		5
" 3 " 4 "	12	16	3	1		
" 4 " 5 "	7	12	3	4	1	1
" 5 " 6 "	11	18	3	4	1	
" 6 " 9 "	9	27	6	9		3
" 9 " 12 "	7	36	3	11	1	5
" 12 " 18 "	17	62	6	10		2
" 18 months to 2 years ..	6	49	1	2		2
" 2 to 3 years	10	114	1	4		13
" 3 " 4 "	9	98		3		2
" 4 " 5 "	6	76	1		1	2
" 5 " 10 "	5	275		4		14
" 10 " 15 "	16	164				6
" 15 " 20 "	10	130		1		1
" 20 years and upwards..	8	177	1			13
Totals.....	224	1,311	28	58	5	88

ROCKWOOD HOSPITAL FOR INSANE, KINGSTON.

To INSPECTOR E. R. ROGERS,

Toronto.

SIR,—I have pleasure in submitting my report for Rockwood Hospital, Kingston, for the year ending October 31st, 1913:—

The results of the year's labors are most gratifying and satisfactory to all concerned.

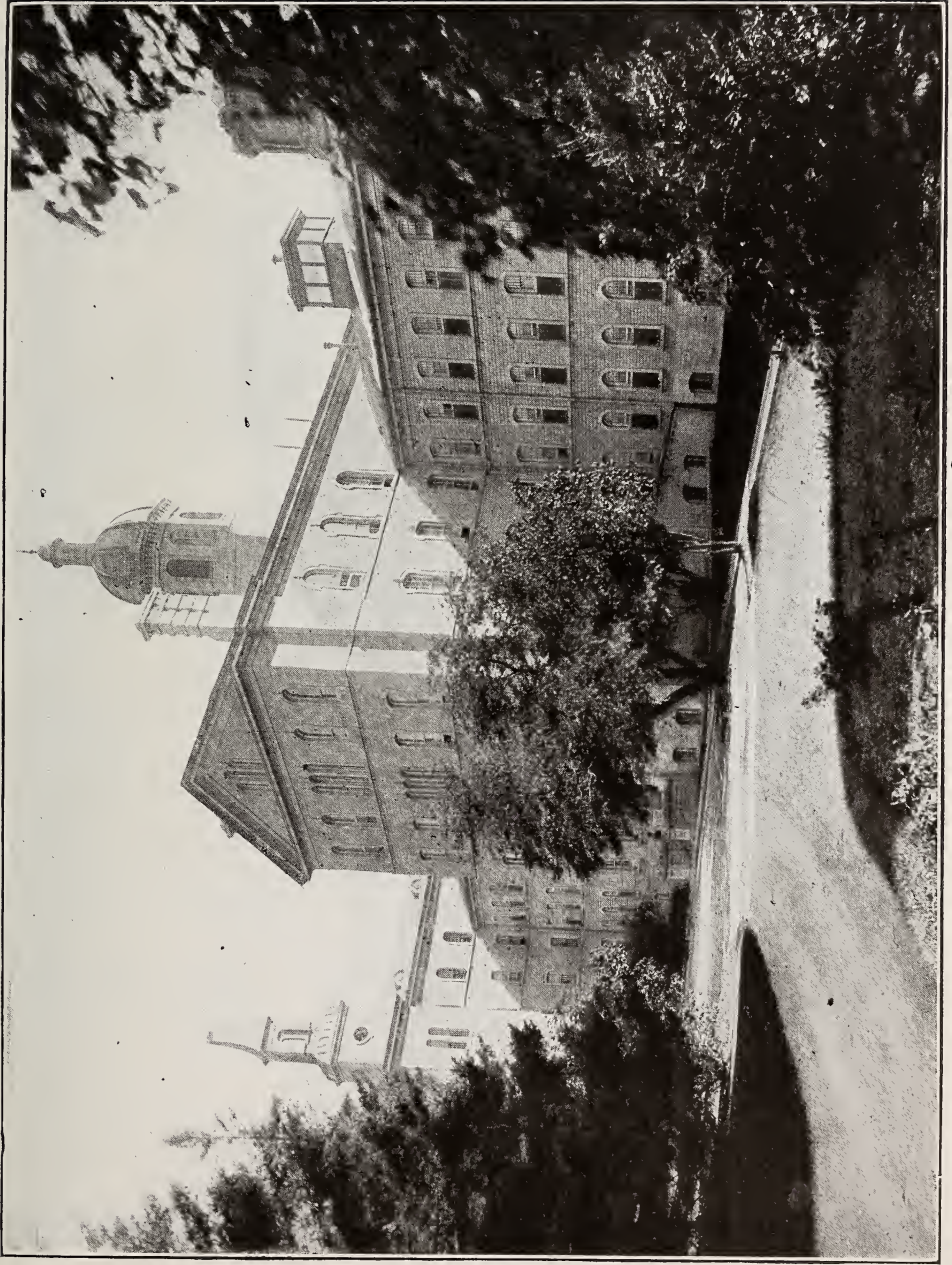
Amongst the admissions were a great number from outside the Rockwood district.

Most satisfactory to us is the list of voluntary admissions. Twenty-seven patients came to Rockwood this year without medical certificates, and without pressure of any kind. They realized they were sick, they realized that we had the facilities for proper treatment, and they were willing to take advantage of same. On the whole we must say that the voluntary principle works very advantageously, and we feel certain that this principle will develop and be exercised more freely in the future. Indeed, to my mind, there is no reason why there should be any certificates of insanity issued throughout the province. Were the public once educated on the advantages of hospital treatment as practised in our Hospitals for the Insane, they would be as desirous of taking advantage thereof, and would accept the principle of voluntarily seeking treatment in a hospital for mental diseases as cheerfully as they would seek admission to a general hospital for physical ailments.

The number of warrant cases this year has reached twenty-two. Ten of these came from outside the Rockwood District. There is no reason whatever why, under the methods practised at Rockwood Hospital, there should be any case admitted by warrant. We are always free to accept patients at any time. If the case be urgent we do not wait for certificates, and we would be glad if our practitioners throughout the district would kindly assist us in doing away with the pernicious system of issuing a warrant for the arrest of a sick man.

Interesting has been our experience with what is ordinarily known as social work. Though we have not developed this important side to the extent desired, we have had sufficient experience to warrant its further application. I do not know of any method more efficacious in spreading the knowledge as to the cause, the treatment and the hopeful outlook of mental disease. By this means the nurse from the hospital visits the patients, when discharged, in their own homes, their surroundings are closely noted, their method of living directed, their friends are carefully instructed as to their attitude towards the patient, and thus, you see, a double mission is fulfilled, that of nursing the patients and instructing their friends.

For some time past we have been endeavoring to establish a research laboratory at Rockwood Hospital, that we may pursue and develop more steadily the principles of this interesting and valuable branch of medical science. In no department of medicine is research work and original investigation more necessary, and in few departments indeed has so little been done. Last year a member of our staff was engaged in some rather important experiments; the line of investigation was not very exhaustively pursued, yet, after all, some results were obtained which led a



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Main Building, Kingston.

member of the British medical profession to consider it worthy of special mention before a gathering of England's most prominent professional men. The results of our pathological laboratory for this year as submitted by Dr. Connell are as follows: —

I desire to submit a short resume of my work during the year closing October 31st, 1913.

During this period nine autopsies only have been held, it having proven difficult to secure necessary permission in many cases. In one of the cases, a general parietic, we have succeeded in finding the spirochaete pallida in the brain substance (superior frontal gyrus) by Levaditi's method. This method has proven very tedious and will, when opportunity affords, be supplemented by more rapid and direct method of examination.

Thirty-three blood specimens and twelve cerebro-spinal fluids have been examined for the Wasserman reaction (Noguchi's modification). A number of these were examined several times in an attempt to produce a negative reaction in the blood or the fluids, by repeated use of Salvarsan intravenously. It has proven difficult to obtain a continued negative reaction, even after fortnightly injections of Salvarsan running over a period of four to six months.

The twelve cerebro-spinal fluids above mentioned have also been examined for cell content and globulin.

Besides the usual examination of suspected tubercular sputums, typhoid blood, pus and tissue from operation cases, fifty-two urine samples have been specially examined. In one case such laboratory examination, by detection of marked acidosis, was the means of saving the life of the patient, showing symptoms now known to be those of acid intoxication.

Examination has been made on several occasions of the water supply. Only on one occasion was it found contaminated, and this was due to a temporary break-down in the chlorination plant. It is to be hoped that, when the sewage plant now being installed is in operation, even such temporary break-downs in chlorination need not occasion contamination of the water supply.

Our Nursing School has maintained its high place. During the year two of our nurses were requested to take charge of the new Hospital for the Insane, at Battleford, Sask., and we feel quite confident that they will uphold the high place that Rockwood Hospital Training School has filled in the medical life of this province.

The scarcity of labor has made it very difficult at times to secure a proper and efficient class of attendants for service on the male wards. A better class of men is desirable, and this can only be secured by a gradual process of training, and when trained the retention of their services by a proper wage. It is worthy of consideration whether it would not be advisable to erect cottages for our attendants, as an inducement to their remaining in the employment of the institutions. Many times during the past year, as soon as our attendants were of service to us they would leave, and we would be obliged to place our patients and our work in the hands of untried and inefficient men.

We have made considerable improvement in the interior of the building in the past year, and hope for still better things in the future. Our bath-rooms require improvement, floors are necessary in dormitories and rooms, our windows require to be lowered on the north side of the building, indeed there is a general improvement required all round if the hospital is to be made comfortable, home-like, and in keeping with the object we have in view.

We have secured from an efficient and thorough landscape gardener the plans for extensive improvements to our gardens and parks. We will commence the prosecution of these plans during the coming season. When completed, Rockwood Hospital will, without doubt, possess a charm and beauty all its own.

I have to speak once more of the loyalty and devotion of the staff of Rockwood Hospital, and of the faithful, painstaking way in which each department has done its work. The year has been a record one in many respects, and I think our results are quite unique in the history of mental disease in Canada. This could not have been accomplished without devotion and love for the work, and for this I feel grateful and thankful to all those who gave so cheerfully of their best to maintain the ever increasing reputation of Rockwood Hospital.

I have the honour to be,

Sir,

Your obedient servant,

E. RYAN,

Medical Superintendent.



One of the Corridors, Kingston.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, KINGSTON, FOR THE YEAR
ENDING OCTOBER 31st, 1913.

TABLE No. 1—KINGSTON.

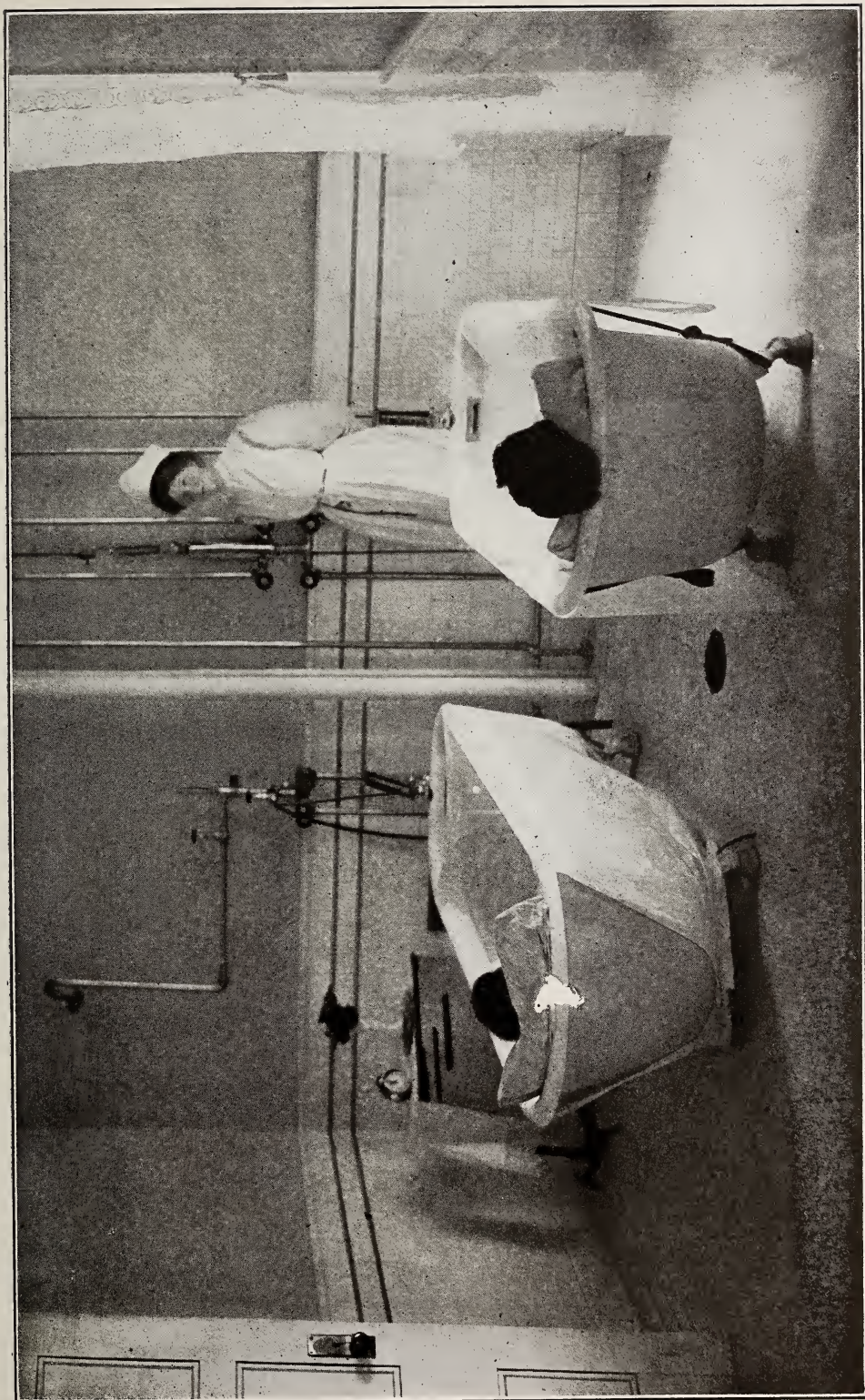
Showing movements of patients in the Hospital for the official year ending October 31st, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital.....	311	282	593			
In Residence, October 31st, 1912.....				296	257	553
Admitted during year 1912-1913 :						
By Warrant	21	1	22			
By Medical Certificate.....	86	64	150	107	65	172
Total number under treatment during year				403	322	725
Discharges during year:—						
As recovered	33	26	59			
" improved	22	17	39			
" unimproved	1		1			
" not insane						
Total number discharged during year.	56	43	99			
Died	28	18	64			
Deported	2					
Eloped						
Transferred				86	61	147
Remaining in Hospital, October 31st, 1912.....				317	261	578
Total number admitted since opening of Hospital				2,644	2,262	4,906
Total number discharged since opening of Hospital	1,158	1,058	2,216			
Total number died since opening of Hospital	838	640	1,478			
Total number deported since opening of Hospital	8	2	10			
Total number eloped since opening of Hospital	79	1	80			
Total number transferred since opening of Hospital	244	300	544	2,327	2,001	4,328
Total remaining in Hospital October 31st, 1913.....				317	261	578
Daily average population	303	254	557			
Collective days' stay of all patients in residence during year	110,489	92,932	203,421			
Number of applications on fyle.....	44	47	91			

TABLE No. 2—KINGSTON.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			In residence Oct. 31, 1913.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single	58	28	86	223	138	361	1,528	992	2,520
Married	37	28	65	85	103	188	1,074	1,226	2,300
Widowed	12	7	19	9	19	28	35	40	75
Divorced .....	.....	.....	.....	.....	.....	.....	.....	1	1
Separated .....	.....	2	2	.....	1	1	7	3	10
Unascertained .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	107	65	172	317	261	578	2,644	2,262	4,906
RELIGION.									
Baptists .....	.....	3	3	6	5	11	46	43	89
Congregationalists ...	.....	1	1	1	2	3	10	7	17
Church of England ..	28	19	47	56	50	106	520	431	951
Methodists	25	18	43	86	79	165	604	573	1,177
Presbyterians	14	7	21	39	36	75	392	372	764
Roman Catholics	27	11	38	89	72	161	814	698	1,512
Other Denominations..	5	3	8	24	11	35	174	101	275
Unascertained	8	3	11	16	6	22	84	37	121
Total	107	65	172	317	261	578	2,644	2,262	4,906



Continuous Baths, Kingston.



TABLE No. 3—KINGSTON.

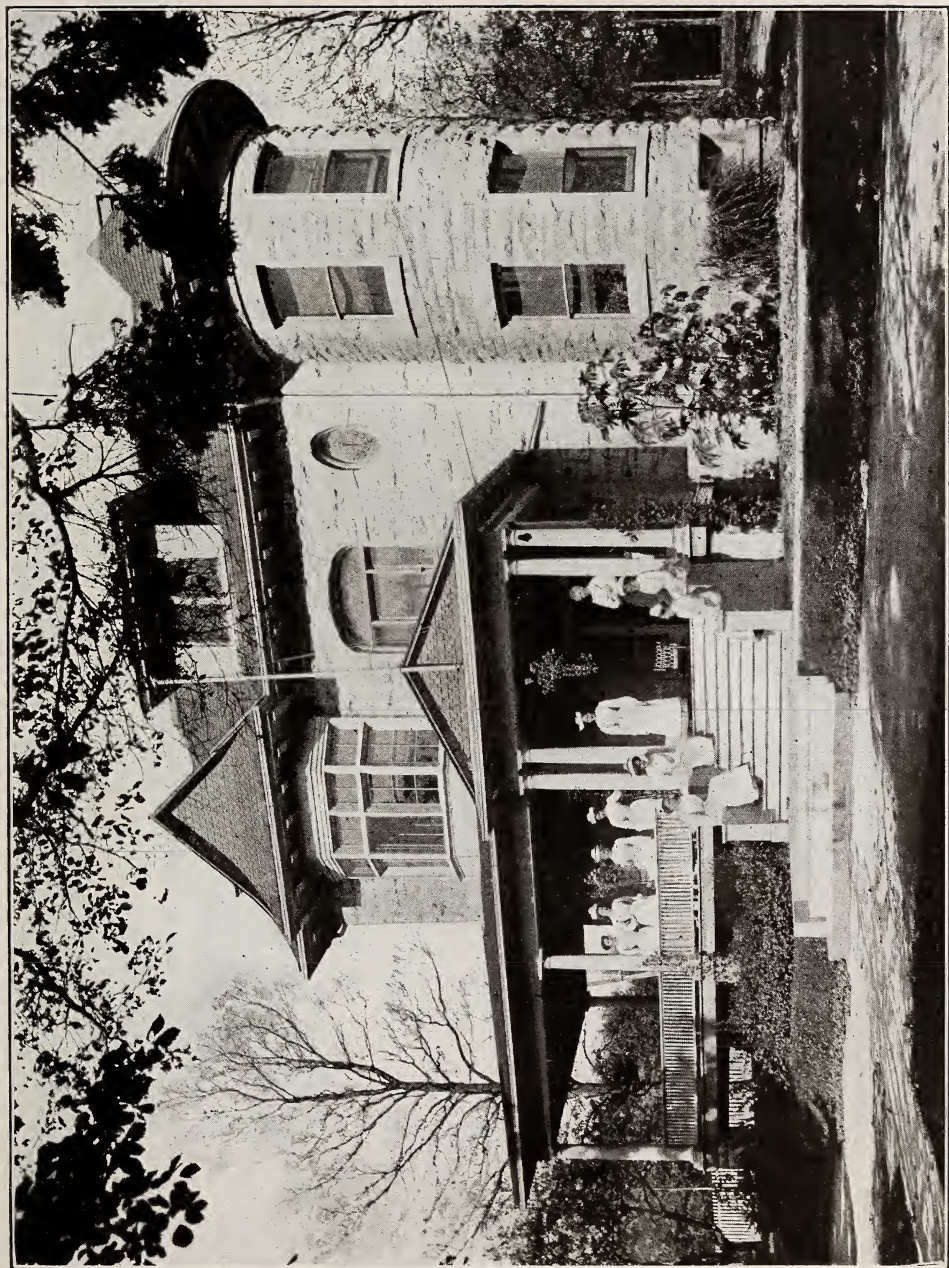
Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	107	65	172	2,644	2,262	4,906
Total born in Canada	95	62	157	1,813	1,584	3,397
Armenia						
Assyria				2		2
Austria						
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	7	2	9	217	145	362
France				2	1	3
Finland				1	2	3
Galicia					1	1
Germany	1		1	35	17	52
Greece						
Holland						
Hungary						
Ireland				332	303	635
Italy	1		1	4		4
Japan						
Macedonia						
Other British Possessions.....				6	4	10
Norway						
Roumania						
Russia				13	2	15
Scotland	2		2	94	93	187
Switzerland				6		6
Spain						
Sweden				3		3
Turkey.....						
United States	1	1	2	34	29	63
West Indies				1	1	2
Other Countries				4	8	12
Unascertained				77	72	149
Totals.....	107	65	172	2,644	2,262	4,906

TABLE No. 4—KINGSTON.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:—						
Clergy, Military and Naval Officers.						
Physicians, Lawyers, Architects.						
Artists, Authors, Civil Engineers, Surveyors, etc.	4	.....	4	66	2	68
Commercial:—						
Bankers, Merchants, Accountants.						
Clerks, Salesmen, Stenographers						
Typewriters, etc.	18	.....	18	194	5	199
Agricultural and Pastoral:—						
Farmers, Gardeners, Stock Men.						
etc.	27	.....	27	802	4	806
Mechanics at Outdoor Vocations:—						
Railway and Stationary Engineers, Blacksmiths, Carpenters,						
Engine Fitters, Sawyers, Painters, Police, etc.	10	.....	10	254	.....	254
Mechanics, etc., at Sedentary Vocations:—						
Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	12	2	14	186	136	322
Domestic Service:—						
Waiters, Cooks, Servants, etc.		9	9	26	472	498
Education and Higher Domestic Duties:						
Governesses, Teachers, Students						
Housekeepers, Nurses, etc.	3	38	41	30	1,196	1,226
Miners, Marine Engineers, Railway Employees, Seamen, etc.	2	.....	2	63	.....	63
Laborers	24	.....	24	746	.....	746
No Occupation	5	16	21	100	188	288
Unascertained	2	.....	2	134	180	314
Other Occupations				43	79	122
Total	107	65	172	2,644	2,262	4,906



Nurses' Home, Kingston.

TABLE No. 5—KINGSTON.

Showing the Counties and Districts from which patients have been admitted during the year and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District...				3	2	5				3	2	5			
Brant				6	7	13				6	7	13			
Bruce				3	6	9				3	5	8			
Carleton.....		1	1	204	164	368				166	125	291	30	15	45
Dufferin															
Dundas				37	33	70				See	Stor	mont	2	2	4
Durham	4	5	9	51	49	100	2		2	10	5	15	1	8	9
Elgin				3	4	7				3	4	7			
Essex				3	2	5				3	2	5			
Frontenac	31	13	44	525	480	1,005	1		1	168	106	274	59	71	130
Glengarry				55	53	108				See	Stor	mn	5	5	10
Grenville				58	52	110							1	2	3
Grey				7	10	17				7	6	16		1	1
Haldimand				6	7	13				6	6	12			
Halton				3	2	5				2	1	3			
Hastings	15	12	27	280	236	516	1		1	133	66	199	48	32	80
Haliburton.....	1		1	1		1	1		1	1					
Huron				6	5	11				6	5	11			
Kent				4	1	5				4		4		1	1
Lambton				12	2	14				12	2	14			
Lanark				125	125	250				97	87	184	7	6	13
Leeds	6	2	8	90	79	169				79	57	136	10	6	16
Lennox and Adding- ton.....	5	3	8	190	167	357	2		2	95	46	141	21	18	39
Lincoln				9	7	16				9	5	14			
Middlesex				9	6	15				6	4	10	1		1
Muskoka District..				1	1	2					1	1			
Nipissing District.					1	1					1	1			
Norfolk				7	5	12				7	5	12	1		1
Northumberland ..	10	9	19	140	170	310	4		4	88	64	152	43	30	73
Ontario	1		1	20	23	43				18	22	40	1		1
Oxford				14	4	18				14	3	17			
Parry Sound Dist.															
Peel				4	1	5				4	1	5			
Perth				10	9	19				10	9	19			
Peterborough	2	1	3	12	22	34		1	1	8	9	17	3	2	5
Prescott				48	30	78				41	24	65	1	2	3
Prince Edward ...	9	5	14	112	83	195				35	17	52	26	15	41
Rainy River Dist.				1		1				1		1			
Renfrew	7	12	19	200	189	389	1		1	59	22	81	29	31	60
Russell					2	2								1	1
Simcoe	1		1	14	12	26	1		1	13	11	24	1		1
Stormont				55	48	103				111	73	184	4	4	8
Thunder Bay Dist.				1		1							1		1
Victoria	5		5	10	13	23	5		5	10	12	22	6		6
Waterloo	1		1	13	4	17				12	4	16			
Welland	1		1	7	5	12	1		1	7	5	12	1	1	2
Wellington				6	4	10				4	4	8			
Wentworth				17	21	38				14	13	27	2	3	5
York	6	1	7	51	66	117	2		2	37	50	87	10	4	14
Unascertained		1	1	207	49	256				29	7	36	2	1	3
Quebec	1		1	3		3									
Alberta	1		1	1		1							1		1
New Brunswick...					1	1									
Total	107	65	172	2,644	2,262	4,906	21	1	22	1,341	901	2,242	317	261	578

TABLE No. 6—KINGSTON.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....	5	5	10	2	2	4	.....
Mental Strain, Worry and Overwork (not included in above)	5	9	14	2	6	8	.....
Religious Excitement	3	.....	3	1	1	2	.....
Love Affairs, including seduction ...	4	1	5	3	.....	1	.....
Fright and Nervous Shock .....	.....	2	2	.....	1	1	.....
PHYSICAL.							
Alcoholism.....	15	1	16	3	3	6	.....
Sexual Excess .....	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	13	.....	13	3	.....	3	.....
Masturbation	1	.....	1	1	.....	1	.....
Insolation .....	.....	2	2	.....	1	1	.....
Accident or Injury	4	3	7	1	2	3	.....
Pregnancy .....	.....	.....	.....	.....	.....	.....	.....
Parturition and Puerperium .....	.....	4	4	.....	3	3	.....
Lactation .....	.....	1	1	.....	1	1	.....
Climacteric Period .....	.....	.....	.....	.....	.....	.....	.....
Fevers	1	.....	1	.....	.....	.....	.....
Privation and Overwork	3	4	7	1	3	4	.....
Epilepsy	2	1	3	1	.....	1	.....
Other Convulsive Diseases .....	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull .....	.....	.....	.....	.....	1	1	.....
Senility	11	4	15	3	2	5	.....
Exophthalmic Goitre	1	.....	1	.....	.....	.....	.....
Epidemic Influenza .....	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	4	1	5	1	.....	1	.....
Loss of Special Sense	1	.....	1	.....	.....	.....	.....
Uræmia .....	.....	1	1	.....	.....	.....	.....
Other Auto-infection	13	11	24	6	3	9	.....
Other Bodily Diseases	11	6	17	6	4	10	.....
HEREDITARY.							
Congenital Defect	5	5	10	2	3	5	.....
Unascertained	5	4	9	71	29	100	.....
Not Insane .....	.....	.....	.....	.....	.....	.....	.....
Total	107	65	172	107	65	172	.....

TABLE No. 7—KINGSTON.

Showing hereditary tendency to insanity in patients admitted during the year
and since the opening of the Hospital.

	Admitted during year.			Since 1908.		
	Male.	Female.	Total.	Male.	Female.	Total.
Paternal Branch.....	14	16	30	57	61	118
Maternal Branch	10	10	20	47	45	92
Paternal and Maternal Branches	3	2	5	12	9	21
Collateral Branches.....	9	8	17	35	35	70
No Hereditary Tendency	28	16	44	49	33	82
Unascertained.....	43	13	56	217	146	363
Not Insane.....				1		1
Totals	107	65	172	418	329	747

TABLE No. 8—KINGSTON.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number granted Discharge	46	29	75
Discharged, Recovered	15	18	33
“ Improved.....	18	6	24
“ Unimproved	1		1
Died			
Returned to Hospital	5	1	6
Absent on Probation on Oct. 31st, 1913.....	7	4	11

TABLE No. 9—KINGSTON.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since 1908.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever				1	1	2
Influenza						
Cerebro-Spinal Meningitis						
Diphtheria						
Erysipelas						
Septicaemia				3		3
Dysentery					1	1
Syphilis				2		2
Tuberculosis	4	5	9	24	23	47
Constitutional Diseases:—						
Rheumatism						
Arthritis Deformans						
Diabetes Mellitus					1	1
Diseases of the Digestive System:—						
Mouth, Salivary Glands.....						
Pharynx						
Tonsils						
Oesophagus						
Diseases of the Intestines:—	1	3	4	1	4	5
Diseases of the Liver					1	1
“ “ Pancreas				1		1
“ “ Peritoneum				4		4
Intestinal Obstruction				1		1
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx						
“ “ Bronchi						
“ “ Lungs	4	4	8	20	17	37
“ “ Pleura						
Diseases of the Circulatory System:—						
Diseases of the Pericardium ...					1	1
“ “ Heart	5		5	17	9	26
Arterio-sclerosis	4	1	5	9	2	11
Aneurism				1		1
Diseases of the Blood and Ducts						
Glands:—						
Anæmia						
Pernicious Anæmia.....						
Leucæmia						
Exophthalmic Goitre						
Adrenal Glands					1	1
Diseases of the Genito-Urinary System				2	2	4
Carried Forward	18	13	31	86	63	149

TABLE No. 9—KINGSTON—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since 1908.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	18	13	31	86	63	149
Diseases of the Nervous System:—						
Diseases of the Nerves						
“ “ Spinal Cord	1		1	1		1
“ “ Meninges						
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)				8	10	18
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)						
Epilepsy	1		1	3	2	5
Mental Diseases:—						
Exhaustion of Acute Mental Dis- ease	1	1	2	6	2	8
Exhaustion of Chronic Mental Disease				1	3	4
General Paresis	5		5	18	1	19
Intoxications:—						
Alcoholism						
Morphinism	1		1	1		1
Metallic Poisoning						
Heat Stroke						
Debility of Old Age				7	4	11
Accident		1	1	3	1	4
Suicide				2		2
Surgical Diseases					1	1
Gynæcological Diseases						
Malignant New Growths, or Cancer ..	1	3	4	1	9	10
Total	28	18	46	137	96	233

TABLE No. 10—KINGSTON.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium	2	4	6	1	....	1	2	2	4
(c) Post Infection Psychoses .....	....	2	2	....	....	....	....	1	1
Exhaustion Psychoses:—									
(a) Collapsed Delirium .....	....	3	3	....	....	....	2	....	2
(b) Acute Confusional Psychoses	1	1	2	....	1	1	....	1	1
(c) Neurasthenia	4	....	4	1	1	2	....	....	....
Intoxication Psychoses:—									
(a) Acute Intoxications .....	....	....	....	....	....	....	....	....	....
(b) Chronic " .....	....	....	....	....	....	....	....	....	....
(a) Alcoholism (acute and chronic) .	7	1	8	6	1	7	....	....	....
(b) Delirium Tremens	2	....	2	....	....	....	....	....	....
(c) Korsakow's Psychoses .....	....	....	....	....	....	....	....	....	....
(d) Acute Alcoholic Hallucinosiis	6	....	6	5	....	5	....	....	....
(e) Alcoholic Hallucinatory Dementia ..	....	....	....	....	....	....	....	....	....
(f) " Paranoia .....	....	....	....	....	....	....	....	....	....
(g) " Paresis .....	....	....	....	....	....	....	....	....	....
(h) Morphinism	4	1	5	3	1	4	1	....	1
(i) Cocainism .....	....	....	....	....	....	....	....	....	....
Thyroigenous Psychoses:—									
(a) Mixedematous Psychoses	1	1	2	....	2	2	....	....	....
(b) Cretinism .....	....	....	....	....	....	....	....	....	....
Dementia Praecox:—									
(a) Hebaphrenic	2	....	2	1	1	2	....	1	1
(b) Catatonic	13	5	18	7	1	8	....	3	3
(c) Paranoid	9	9	18	6	6	12	1	....	1
General Paresis:—	12	....	12	1	....	1	5	....	5
Organic Dementias:—									
(a) Cerebral Sclerosis .....	....	....	....	....	....	....	....	....	....
(b) Huntingdon's Chorea .....	....	....	....	....	....	....	1	....	1
(c) Multiple Sclerosis .....	....	....	....	....	....	....	....	....	....
(d) Cerebral Syphilis .....	....	....	....	....	....	....	....	....	....
(e) Tabetic Psychoses .....	....	....	....	....	....	....	....	....	....
(f) Arterio Sclerotic Psychoses	6	....	6	3	....	3	3	....	3
(g) Cerebral Tumor, Abscess, Hæmorrhage	....	1	1	1	....	1	....	....	....
Involution Psychoses:—									
(a) Melancholia .....	....	....	....	....	....	....	....	....	....
(b) Pre-senile Delusional Psychoses .....	....	2	2	1	1	2	....	....	....
(c) Senile Dementia	9	4	13	2	1	3	3	1	4
Manic Depressive Psychoses:—									
(a) Manic States	6	12	18	6	14	20	3	1	4
(b) Depressed States	5	10	15	4	10	14	2	6	8
(c) Mixed States .....	....	....	....	....	....	....	2	1	3
Carried Forward	89	56	145	48	40	88	25	17	42

TABLE No. 10—KINGSTON—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	89	56	145	48	40	88	25	17	42
Paranoia:	10	2	12	3	....	3	....	....	....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	2	1	3	....	1	1	3	....	3
(b) Hysterical Psychoses .....	....	1	1	....	1	1	....	....	....
(c) Sexualis Psychopathia .....	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	5	4	9	5	1	6	....	1	1
(b) Idiocy .....	....	1	1	....	....	....	....	....	....
Not Diagnosed:	1	....	1	....	....	....	....	....	....
Not Insane: .....	....	....	....	....	....	....	....	....	....
Total	107	65	172	56	43	99	28	18	46

TABLE No. 11—KINGSTON.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1913	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	42	15	7	3	.....	11
From 1 to 2 months	11	13	2	3	.....	2
“ 2 “ 3 “	13	8	2	2	1	1
“ 3 “ 4 “	3	8	7	3	.....	1
“ 4 “ 5 “	5	9	8	2	.....	2
“ 5 “ 6 “	3	4	4	5	.....	2
“ 6 “ 9 “	8	23	13	7	.....	3
“ 9 “ 12 “	11	19	2	2	.....	1
“ 12 “ 18 “	3	20	7	3	.....	1
“ 18 months to 2 years... ..	2	20	1	.....	.....	.....
“ 2 to 3 years	10	28	3	3	.....	2
“ 3 “ 4 “	7	23	.....	3	.....	.....
“ 4 “ 5 “	1	18	1	.....	.....	2
“ 5 “ 10 “	11	83	2	.....	.....	2
“ 10 “ 15 “	2	77	.....	1	.....	4
“ 15 “ 20 “	4	72	.....	1	.....	.....
“ 20 years and upwards. .	6	138	.....	1	.....	12
Unascertained	30	.....	.....	.....	.....	.....
Totals.....	172	578	59	39	1	46

HOSPITAL FOR INSANE, LONDON.

Dec. 9th, 1913.

TO INSPECTOR E. R. ROGERS,

Parliament Buildings, Toronto, Ont.

SIR,—I beg to present the forty-third Annual Report of the Hospital for Insane, London, for the year ending October 31st, 1913.

During this period our admissions number 203, our discharges 92, and the deaths, 67. Although the admissions were slightly lower than in the previous year, our population increased by 38, due chiefly to a considerable diminution in the number of deaths. No suicides or accidental deaths occurred during the year.

TUBERCULOSIS.

17.9 per cent. of the deaths during the past year were caused by tuberculosis. This is slightly higher than the average of the past forty-two years, which was 16.3 per cent. A very pressing requirement of this hospital is a small building where patients suffering from this disease can be isolated.

With the exception of a slight outbreak of typhoid fever the general health of our patients has been exceptionally good during the year. The outbreak of this disease coincided with a break in one of our sewers and contamination of the Deep Well. The contamination of the well was probably due to a workman who was repairing the pump. One death occurred from this disease, although in this case the post-mortem showed advanced miliary tuberculosis.

WATER SUPPLY.

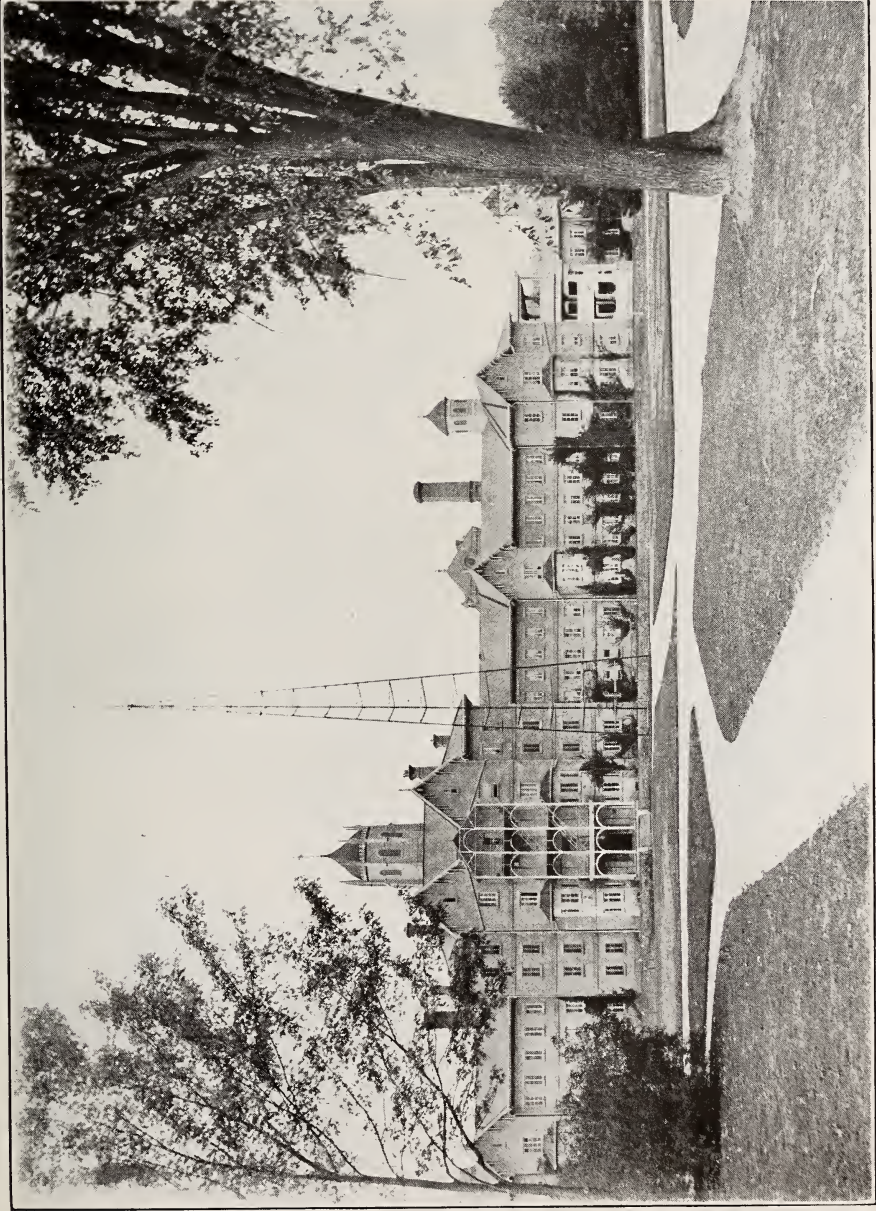
The deficiency of our water supply appears to have been permanently solved by the installation of a proper pump in the Deep Well. This well now supplies 75 per cent. of the water required for domestic purposes, leaving us at all times with a reservoir full in case of fire or any other emergency.

CANNING OPERATION.

The operation of our canning plant was again very successful and we were able to take care of a very large crop of tomatoes, plums, pears and apples. The operation of this plant is conducted entirely by our own employees and patients, and with comparatively small expense the out-put can be very greatly increased. In addition to supplying our own requirements, we will have about four thousand gallons to spare for sister institutions.

CHANGES IN STAFF.

Much to the regret of everyone connected with the institution, Dr. Stead, our second assistant physician, resigned from the service to take up the practice of his profession in Oakville. However, we are extremely fortunate in securing Dr. Neely, late of the Eastern Hospital, Brockville, as his successor.



Main Building, London.

Mr. George Ross, Assistant Engineer, who had been in the service of the institution upwards of forty years, died in October after a short illness. He was one of our most valued employees and his death was greatly regretted by all.

Our thanks are especially due to the Protestant clergymen of the city who have so faithfully performed their duties in conducting divine service at our chapel every Sunday morning at nine o'clock, and to the Roman Catholic priests of the parish of St. Mary's, who have also been most faithful in the discharge of their duties towards the sick and dying inmates of their flock.

The following is a partial report of Dr. Edward Fidler, our pathologist:—

"The following report of laboratory work done for the Hospital for Insane, London, is respectfully submitted:—

WATER EXAMINATIONS.—A preliminary unrecorded examination of the reservoir was made in the early summer and showed the water there to be of good sanitary quality. Before the use of the Deep Well, in June, water taken from a tap leading directly from the well showed 40 bacteria per cc. and no evidence of colon bacilli in 10 cc. About June 25th, a broken sewer was discovered within less than 50 feet of the well. The pump was stopped and no water was used until after the sewer had been repaired and until examination proved the water to be fit for use. On June 30th, when the repairs to the sewer had been completed, it seemed best to examine the water left standing in the well. A sample was collected with due precautions from the surface. This showed a count of 7,000 bacteria per cc. with colon bacilli present in 1/100 cc. This contamination could come from two sources: 1, By possible seepage through the wall. 2, Through the tracking in of contaminated soil to the well-room during the repair of the sewer. The water from the well was not used for drinking purposes until a thorough pumping out and flushing had been made. In the meantime, water from the tap in the laboratory on two different occasions showed a count of 80 and 125 bacteria per cc. respectively, and colon bacilli present 1 cc. After the final flushing and while the well was being pumped out on July 7th, a sample was taken of the water passing over from the well to the sewer. This showed a count of 260 bacteria per cc. and colon bacilli still present in 1 cc. amounts. On July 14th, the first positive Widal reaction was obtained, roughly between two and three weeks from the discovery of the broken sewer and the contaminated water in the well. On July 18th, water from the tap in the laboratory showed about 200 bacteria per cc., but colon bacilli present only in 100 cc. amounts. On this same date, samples of water were taken from the discharge pipe of the pump after twelve hours operation and also from the drip occurring from this pipe back into the well and thought to be a possible source of contamination. Both of these samples showed practical absence of bacteria in 1 cc., though the same sample from the discharge pipe colon bacilli in 100 cc. amounts. Finally, on August 4th, water from the tap in the laboratory showed a count of 18 per cc. and colon bacilli were absent in 10 cc. amounts."

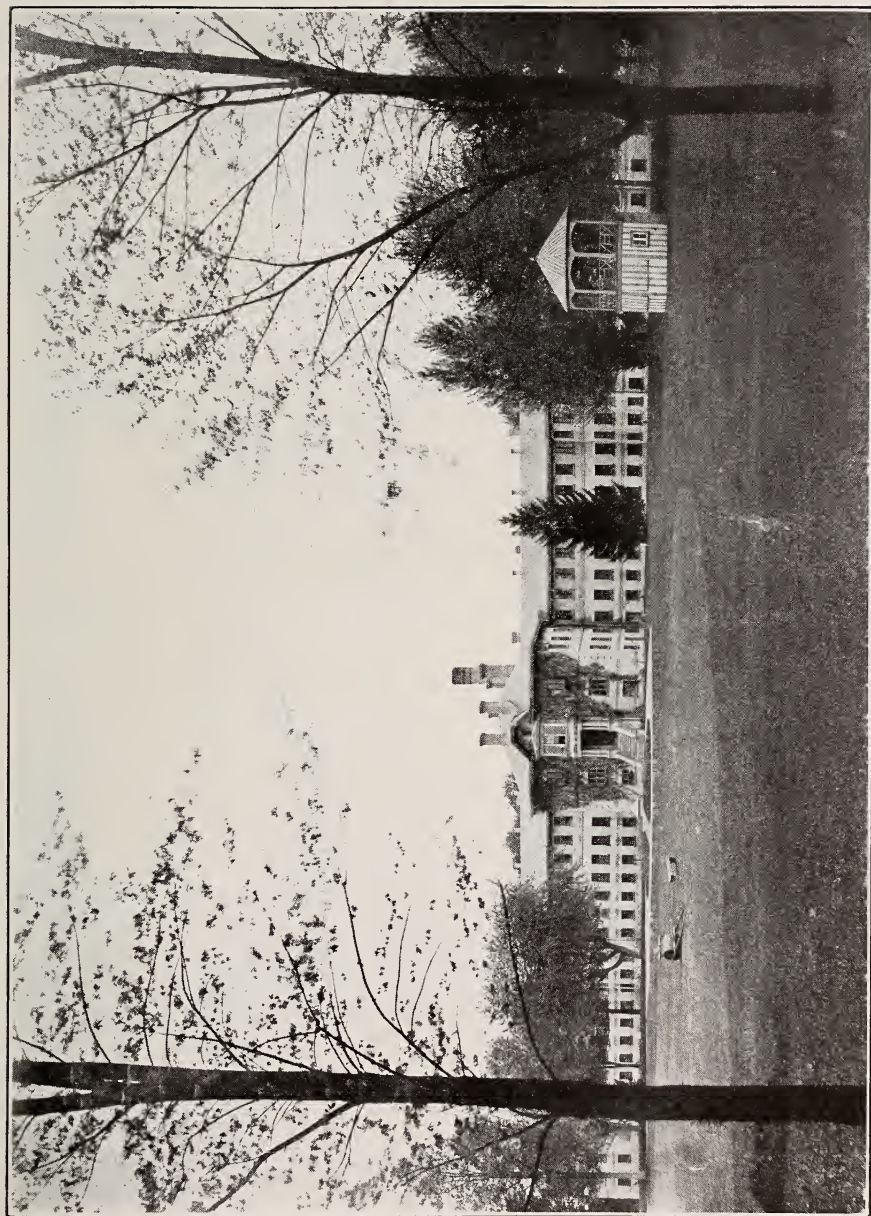
The following tables illustrate the results of the various laboratory examinations in our Pathological Department:—

WIDAL EXAMINATION.

Name.	Date.	Result.	Name.	Date.	Result.
S. S.	7, 14, 1913	Positive.	G. P.	7, 24, 1913	Suspicious.
W. C.	7, 14, 1913	Positive.	J. H. S.	7, 24, 1913	Negative.
P. K.	7, 16, 1913	Negative.	G. P.	7, 28, 1913	Negative.
P. K.	7, 18, 1913	Negative.	W. T.	8, 15, 1913	Negative.
A. M.	7, 18, 1913	Negative.	W. T.	8, 18, 1913	Suspicious.
M. S.	7, 18, 1913	Negative.	W. L.	8, 19, 1913	Positive.
P. K.	7, 21, 1913	Atypical.	W. T.	8, 19, 1913	Suspicious.
A. M.	7, 21, 1913	Positive.	W. T.	8, 22, 1913	Positive.
H. W.	7, 21, 1913	Atypical.	E. E.	8, 22, 1913	Negative.
P. K.	7, 22, 1913	Atypical.	M. W.	9, 8, 1913	Positive.
H. W.	7, 22, 1913	Positive.	R. F.	9, 12, 1913	Negative.
S. H.	7, 23, 1913	Negative.	R. F.	9, 16, 1913	Negative.
E. M.	7, 24, 1913	Negative.	R. F.	10, 3, 1913	Negative.

WASSERMANN TESTS.

Name.	Date.	Material.	Result.
L.	5, 26, 1913.	Blood serum.	Positive.
O. D.	5, 26, 1913.	Blood serum.	Negative.
E. W.	5, 26, 1913.	Blood serum.	Negative.
S. P.	6, 9, 1913.	Blood serum.	Positive.
G.	6, 16, 1913.	Blood serum.	Strongly positive.
J. C.	6, 16, 1913.	Blood serum.	Weakly positive.
W.	6, 16, 1913.	Blood serum.	Negative.
McI.	6, 30, 1913.	Blood serum.	Anticomplementary.
McI.	7, 3, 1913.	Blood serum.	Negative.
B. M.	8, 12, 1913.	Blood serum.	Weakly positive.
B. M.	8, 12, 1913.	Cerebro-spinal fluid.	Positive (complete inhibition in .6 cc.).
J. D.	9, 3, 1913.	Blood serum.	Strongly positive (complete inhibition in .2 cc.).
T.	9, 15, 1913.	Blood serum.	Negative.
J. B.	9, 22, 1913.	Blood serum.	Negative.
J. B.	9, 22, 1913.	Cerebro-spinal fluid.	Negative.
J. D.	10, 7, 1913.	Blood serum.	Strongly positive.
J. D.	10, 7, 1913.	Cerebro-spinal fluid.	Strongly positive (complete inhibition in .2 cc.).
F.	10, 7, 1913.	Blood serum.	Strongly positive.
F.	10, 7, 1913.	Cerebro-spinal fluid.	Strongly positive (complete inhibition in .2 cc.).
W. E.	10, 27, 1913.	Blood serum.	Doubtful.
W. E.	10, 27, 1913.	Cerebro-spinal fluid.	Positive (complete inhibition in .4 cc.).
C. S.	10, 27, 1913.	Blood serum.	Strongly positive.
C. S.	10, 27, 1913.	Cerebro-spinal fluid.	Strongly positive (complete inhibition in .2 cc.).
J. W.	11, 3, 1913.	Blood serum.	Negative.
J. W.	11, 3, 1913.	Cerebro-spinal fluid.	Negative.
J. R.	11, 3, 1913.	Blood serum.	Strongly positive.
J. R.	11, 3, 1913.	Cerebro-spinal fluid.	Strongly positive (complete inhibition in .2 cc.).
Mrs. S.	11, 10, 1913.	Blood serum.	Negative.
Mrs. S.	11, 10, 1913.	Cerebro-spinal fluid.	Negative.
G.	11, 10, 1913.	Blood serum.	Negative.
M.	11, 19, 1913.	Blood serum.	Negative.



North Building and Recreation Grounds, London.

CEREBRO SPINAL FLUIDS.

Name.	Date.	Butyric Acid Test.	Ammon. Sulph Test.	Cell Count.	Wassermann Test.
B. M.	8, 12, 1913.	Slightly positive.	Positive.	10 per cmm.	Positive (complete inhibition only in .6 cc.).
J. B.	9, 22, 1913.	Negative.	Negative.	Less than 5 per cmm.	Negative.
J. D.	10, 7, 1913.	Positive.	Positive.	10 per cmm.	Strongly positive (complete inhibition in .2 cc.).
F.	10, 7, 1913.	Positive.	Positive.	18 per cmm.	Strongly positive (complete inhibition in .2 cc.).
W. E.	10, 27, 1913.	Slightly positive.	Positive.	20 per cmm.	Positive (complete inhibition in .4 cc.).
C. S.	10, 27, 1913.	Positive.	Positive.	60 per cmm.	Strongly positive (complete inhibition in .2 cc.).
J. W.	11, 3, 1913.	Negative.	Negative.	5 per cmm.	Negative.
J. R.	11, 3, 1913.	Positive.	Positive.	20 per cmm.	Strongly positive (complete inhibition in .2 cc.).
Mrs. S.	11, 10, 1913.	Negative.	Negative.	Less than 5 per cmm.	Negative.

POST MORTEM EXAMINATION.

Name.	Date.	Autopsy Diagnoses.
B. K.	11, 13, 1912.	Carcinoma of sigmoid and rectum, with perforation. Pelvic peritonitis. Subacute nephritis, with fatty change. Pyelitis right. Acute vegetative and chronic sclerotic endocarditis. Fatty degeneration of the liver. Fibroid of the uterus. Arterio-sclerosis. Chronic leptomeningitis.
J. P.	11, 15, 1912.	Asthenia. Aspiration pneumonia. Œdema of the brain. Chronic endocarditis. Arterio-sclerosis. Fatty degeneration of the liver. Old tuberculosis of the mesenteric glands. Chronic leptomeningitis.
F. B.	11, 27, 1912.	Senility. Chronic diffuse nephritis. Arterio-sclerosis. Brown atrophy of the heart. Gastric polypi. Old tuberculosis of the lungs and pleural adhesion. Cataract of the left lens.
M. L.	12, 6, 1912.	Senility. Chronic diffuse nephritis. Arterio-sclerosis. Œdema of the brain. Chronic leptomeningitis. Old pleural adhesions. Gastric polypi.
R. H.	1, 2, 1913.	Fatty degeneration of the heart. Chronic diffuse nephritis. Arterio-sclerosis. Fatty degeneration of the liver. Old tuberculosis of the lungs. Old pleural adhesions.
W. G. M.	1, 17, 1913.	Atrophy of cerebral convolutions. Pia-arachnoiditis. Granular ependymitis. Early aspiration pneumonia. Œdema of the lungs. Chronic endocarditis. Local organized pneumonia. Old pleural adhesions.
J. C.	4, 13, 1913.	Aspiration pneumonia. Carcinoma of the stomach. Chronic leptomeningitis.
A. D.	8, 12, 1913.	Arterio-sclerosis, with "atheromatous ulcers." Infarction of the bowel. General peritonitis. Infarction of the spleen.
J. S.	8, 21, 1913.	Broncho-pneumonia. Atrophy of cerebral convolutions. Pia-arachnoiditis. Granular ependymitis. Œdema of the brain. Chronic cholecystitis and choletithiasis. Chronic pancreatitis, with fat necroses. Arterio-sclerosis. Old pleural adhesions.

POST MORTEM EXAMINATION.—*Continued.*

Name	Date.	Autopsy Diagnoses.
C. S.	9, 18, 1913.	(Patient died in the epileptic state.) Infarction of the lungs. Fatty degeneration of the liver. Chronic focal tuberculosis of the lung. Old pleural adhesions.
M. A. McC.		Myocarditis. Chronic endocarditis. Arterio-sclerosis. Chronic diffuse nephritis. Psammomata and osteomata of the dura. Old pleural adhesions.
W.	11, 18, 1913.	Emphysema of the lungs. Broncho-pneumonia, with abscess. Purulent pleurisy, right fibrino. Pyelonephritis. Enlarged prostate. Arterio-sclerosis. Calcified bronchial glands. Old pleural adhesions. Healed deformed fracture of right femur.

I have the honour to be,

Sir,

Your obedient servant,

W. J. ROBINSON,

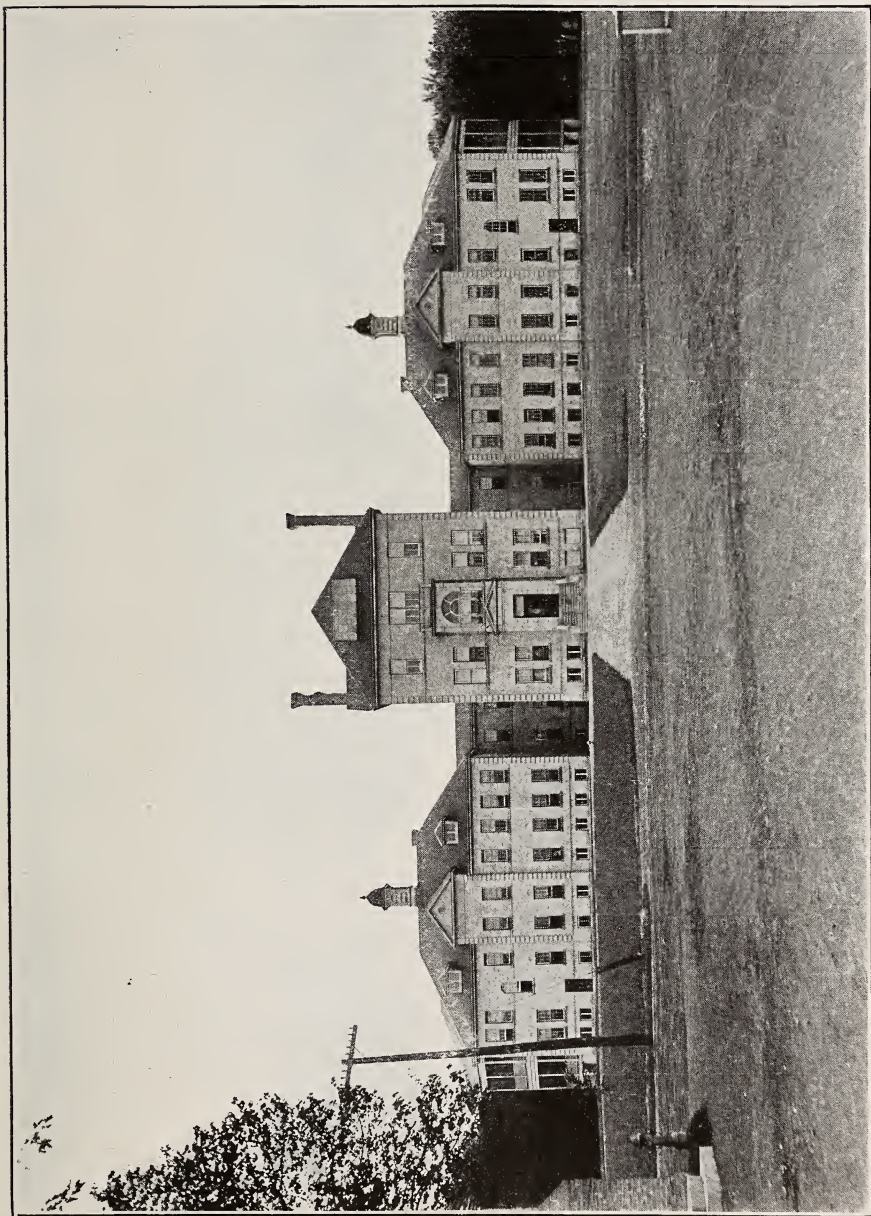
Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, LONDON, FOR THE YEAR
ENDING OCTOBER 31st, 1913.

TABLE No. 1—LONDON.

Showing movements of patients in the Hospital for the official year ending October 31st, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital.....	511	555	1,066			
In residence, October 31st, 1912				520	566	1,086
Admitted during year 1912 and 1913 :—						
By Warrant	42	9	51			
By Medical Certificate.....	67	85	152	109	94	203
Total number under treatment during year				629	660	1,289
Discharges during year:—						
As recovered	19	24	43			
“ improved	17	19	36			
“ unimproved	5	8	13			
“ not insane						
Total number discharged during year.	41	51	92			
Died	35	32	67			
Deported						
Eloped	6		6			
Transferred				82	83	165
Remaining in Hospital, October 31st, 1913.....				547	577	1,124
Total number admitted since opening of Hospital				3,674	3,339	7,013
Total number discharged since opening of Hospital	1,548	1,482	3,030			
Total number died since opening of Hospital	1,191	1,017	2,208			
Total number deported since opening of Hospital	10	3	13			
Total number eloped since opening of Hospital	133	16	149			
Total number transferred since opening of Hospital	245	244	489	3,127	2,762	5,889
Total remaining in Hospital, October 31st, 1913.....				547	577	1,124
Daily average population	535.6	573.3	1,108.8			
Collective days' stay of all patients in residence during year	195,501	209,236	404,437			
Number of applications on fyle.....	12	7	19			



Hospital, London.

TABLE No. 2—LONDON.

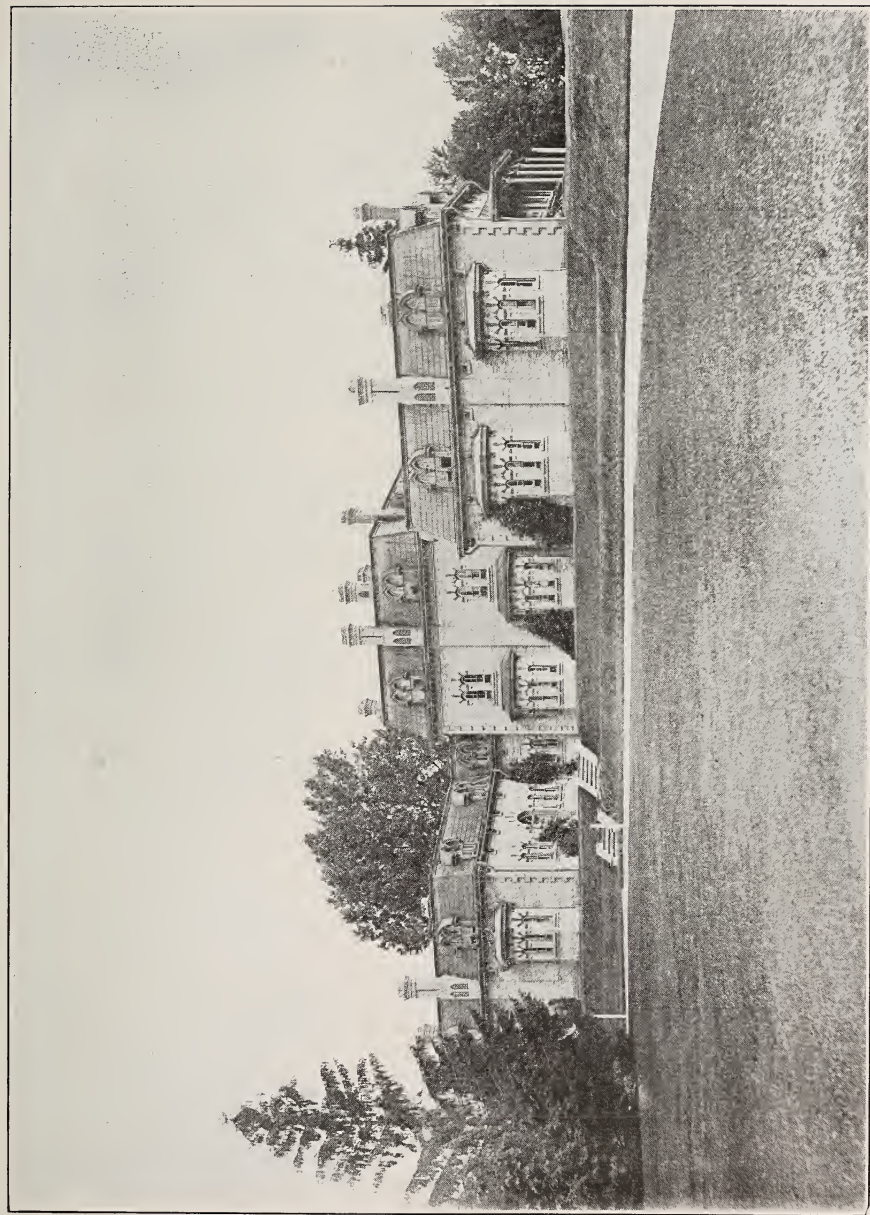
Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			In residence Oct. 31, 1913.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single	65	37	102	389	292	681	2,053	1,286	3,339
Married	39	49	88	143	256	399	1,585	2,002	3,587
Widowed	5	8	13	12	28	40	34	51	85
Divorced				1	1	2			
Separated							2		2
Unascertained				2		2			
Totals.....	109	94	203	547	577	1,124	3,674	3,339	7,013
RELIGION.									
Baptists	5	6	11	41	39	80	251	260	511
Congregationalists				4	4	8	31	25	56
Church of England ...	16	14	30	77	86	163	674	584	1,258
Methodists	31	28	59	131	166	297	872	906	1,778
Presbyterians	25	27	52	123	142	265	814	727	1,541
Roman Catholics	16	9	25	94	100	194	581	548	1,129
Other Denominations	12	9	21	25	40	65	245	176	421
Unascertained	4	1	5	52		52	206	113	319
Totals.....	109	94	203	547	577	1,124	3,674	3,339	7,013

TABLE No. 3—LONDON.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	109	94	203	3,674	3,339	7,013
Total born in Canada	83	75	158	2,298	2,117	4,415
Armenia						
Assyria				1	1	2
Austria						
Austrailia						
Belgium						
Bulgaria						
Central America						
China				1		1
Denmark					2	2
England	6	7	13	469	350	819
France		1	1	3	4	7
Finland						
Galicia						
Germany				46	42	88
Greece						
Holland				1		1
Hungary						
Ireland	10	6	16	369	428	797
Italy				3	3	6
Japan						
Macedonia						
Other British Possessions				6	2	8
Norway						
Roumania						
Russia	1	1	2	3	4	7
Scotland	5	2	7	270	217	487
South America						
Spain				6		6
Sweden				5		5
Turkey						
United States	4	2	6	114	99	213
West Indies				2	1	3
Unascertained				77	69	146
Totals	109	94	203	3,674	3,339	7,013



South Cottage, London.

TABLE No. 4—LONDON.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:—						
Clergy, Military and Naval Officers						
Physicians, Lawyers, Architects						
Artists, Authors, Civil Engineers, Surveyors, etc.	3	.....	3	64	25	89
Commercial:—						
Bankers, Merchants, Accountants,						
Clerks, Salesmen, Stenographers						
Typewriters, etc.	6	3	9	274	30	304
Agricultural and Pastoral:—						
Farmers, Gardeners, Stock Men						
etc.	56	.....	56	1,456	121	1,577
Mechanics at Outdoor Vocations:—						
Railway and Stationary Engineers, Blacksmiths, Carpenters,						
Engine Fitters, Sawyers, Painters, police, etc.	10	.....	10	282	.....	282
Mechanics, etc., at Sedentary Vocations:—						
Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	3	2	5	289	113	402
Domestic Service:—						
Waiters, Cooks, Servants, etc. ..	3	12	15	22	485	507
Education and Higher Domestic Duties:						
Governesses, Teachers, Students						
Housekeepers, Nurses, etc. ....	.....	65	65	48	2,015	2,063
Miners, Marine Engineers, Railway						
Employees, Seamen, etc. ....	.....	.....	.....	53	.....	53
Laborers	23	.....	23	925	1	926
No Occupation	5	12	17	75	203	278
Unascertained .....	.....	.....	.....	186	346	532
Totals.....	109	94	203	3,674	3,339	7,013

TABLE No. 5—LONDON.

Showing the Counties and Districts from which patients have been admitted during the year,
and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District ..				9	7	16				8	2	10	1	...	1
Brant				38	35	73				20	11	31	1	3	4
Bruce	10	10	20	273	219	492	6	...	6	144	72	216	59	54	113
Carleton				4	7	11					2	2			
Dufferin															
Dundas															
Durham													1	...	1
Elgin	9	5	14	253	247	500	2	1	3	73	27	100	43	45	88
Essex	8	7	15	247	213	460	2	1	3	97	56	153	42	51	93
Frontenac				5	8	13					1	1			
Glengarry															
Grenville															
Grey				19	19	38				19	9	19	5	4	9
Haldimand				22	24	46				11	3	14			
Halton				10	7	17				7	3	10	...	1	1
Hastings				5	9	14				2	5	7	...	1	1
Huron	9	13	22	354	346	700	6	1	7	134	76	210	56	65	121
Kent	12	15	27	260	266	526	2	...	2	78	41	119	49	57	106
Lambton	12	8	20	402	299	701	3	1	4	192	62	254	65	41	106
Lanark				3	3	6					1	1			
Leeds					5	5									
Lennox and Addington				3	1	4				1	...	1			
Lincoln				11	6	17				8	1	9			
Middlesex	22	23	45	878	880	1,758	11	1	12	266	154	420	120	156	276
Muskoka District ..															
Nipissing District ..															
Norfolk				34	37	71				23	13	36			
Northumberland ..				15	10	25				4	2	6			
Ontario				6	13	19				1	7	8	1	...	1
Oxford	13	4	17	314	226	540	6	1	7	150	43	193	43	34	77
Parry Sound District ..															
Peel				4	6	10				3	5	8			
Perth	11	7	18	306	246	552	4	3	7	136	61	197	52	42	94
Peterborough				1	6	7				1	6	7			
Prescott				2	3	5				1	1	2			
Prince Edward ..				1	1	2					1	1	...	1	1
Rainy River District ..															
Renfrew				13	21	34									
Russell															
Simcoe				6	7	13				5	6	11	...	4	4
Stormont				12	14	26				1	...	1			
Thunder Bay District ..					1	1								1	1
Victoria				33	22	55				9	9	18			
Waterloo				8	7	15				7	7	14	2	2	4
Welland				20	16	36				3	5	8			
Wellington	1	1	2	19	25	44				14	11	25	2	1	3
Wentworth				46	48	94				6	9	15	2	2	4
York				31	25	56				30	31	61	1	10	11
Unascertained	2	1	3	7	4	11				1	...	1	2	2	4
Totals	109	94	203	3,674	3,339	7,013	42	9	51	1,446	743	2,189	547	577	1124

TABLE No. 6—LONDON.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....	6	3	9	3	1	4	.....
Mental Strain, Worry and Overwork (not included in above).....	11	10	21	6	5	11	.....
Religious Excitement.....	2	2	2	.....	1	1	.....
Love Affairs (including seduction).....	2	2	2	.....	.....	.....	.....
Fright and Nervous Shock.....	1	1	2	1	.....	1	.....
PHYSICAL.							
Alcoholism	10	1	11	6	.....	6	.....
Sexual Excess .....	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	7	3	10	.....	.....	.....	.....
Masturbation .....	.....	.....	.....	.....	.....	.....	.....
Insolation	1	.....	1	.....	.....	.....	.....
Accident or Injury	2	1	3	.....	.....	.....	.....
Pregnancy.....	.....	1	1	.....	.....	.....	.....
Parturition and Puerperium .....	.....	8	8	.....	4	4	.....
Lactation .....	.....	1	1	.....	.....	.....	.....
Climacteric Period.....	.....	17	17	.....	9	9	.....
Fevers	1	.....	1	.....	.....	.....	.....
Privation and Overwork.....	3	2	5	2	1	3	.....
Epilepsy	4	.....	4	3	.....	3	.....
Other Convulsive Diseases.....	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull.....	3	3	6	.....	.....	.....	.....
Senility	8	8	16	4	3	7	.....
Exophthalmic Goitre .....	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza.....	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	1	.....	1	.....	.....	.....	.....
Loss of Special Sense.....	1	.....	1	.....	.....	.....	.....
Uræmia .....	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection .....	.....	.....	.....	.....	.....	.....	.....
Other Bodily Diseases.....	1	6	7	.....	.....	.....	.....
HEREDITARY.							
Congenital Defect	17	7	24	15	5	20	.....
Unascertained	32	18	50	33	28	61	73
Not Insane .....	.....	.....	.....	.....	.....	.....	.....
Totals.....	109	94	203	73	57	130	73

TABLE No. 7—LONDON.

Showing hereditary tendency to insanity in patients admitted during the year
and since the opening of the Hospital.

	Admitted during year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Paternal Branch.....	10	5	15	77	81	158
Maternal Branch	7	8	15	87	107	194
Paternal and Maternal Branches				17	24	41
Collateral Branches.....	23	16	39	256	196	452
No Hereditary Tendency	36	37	73	642	649	1,291
Unascertained.....	33	28	61	225	209	434
Totals.....	109	94	203	1,304	1,266	2,570

TABLE No. 8—LONDON.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharges	45	65	110
Discharged, Recovered, while on Probation	14	21	35
“ Improved “ “ “	10	18	28
“ Unimproved “ “ “	3	4	7
Died, while on Probation			
Returned to Hospital.....	11	12	23
Absent on Probation on Oct. 31st, 1913.....	7	10	17
	45	65	110

TABLE No. 9—LONDON.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever.....				5	3	8
Influenza				3	1	4
Cerebro-spinal Meningitis					1	1
Diphtheria.....						
Erysipelas				7	8	15
Septicæmia	1	3	4	9	11	20
Dysentery				51	66	117
Syphilis.....				1	1	2
Tuberculosis.....	5	7	12	159	203	362
Constitutional Diseases:—						
Rheumatism.....				1	1	2
Arthritis Deformans.....				1	1	2
Diabetes Mellitus				6	2	8
Diseases of the Digestive System:—						
Mouth, salivary glands.....						
Pharynx						
Tonsils.....						
Œsophagus						
Diseases of the Intestinus:—						
Diseases of the Liver.....				11	14	25
Diseases of the Pancreas.....				1	1	2
Diseases of the Peritoneum.....		1	1	29	21	50
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx.....						
“ “ Bronchi				19	12	31
“ “ Lungs.....	3	3	6	59	58	117
“ “ Pleura.....				5	1	6
Diseases of the Circulatory System:—						
Diseases of the Pericardium.....					1	1
“ “ Heart.....	2	2	4	71	80	151
Arterio-sclerosis.....	2	3	5	6	6	12
Aneurism				4	1	5
Diseases of the Blood and Ductless Glands:—						
Anæmia.....				3	3	5
Pernicious Anæmia				1	1	2
Leucæmia.....				1		1
Exophthalmic Goitre.....				1	1	2
Diseases of the Genito-Urinary System..	5	2	7	17	6	23
Carried Forward	18	21	39	471	504	975

TABLE No. 9—LONDON—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	18	21	39	471	504	975
Diseases of the Nervous System:—						
Diseases of the Nerves.....				5	5	10
“ “ Spinal Cord					1	1
“ “ Meninges.....				11	7	18
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage and other gross lesions)	4	2	6	86	56	142
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria).....				28	10	38
Epilepsy	3		3	115	72	187
Mental Diseases:—						
Exhaustion of Acute Mental Dis- ease.....				77	62	139
Exhaustion of Chronic Mental Dis- ease).....				60	56	116
General Paresis.....	4	1	5	118	16	134
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning.....						
Heat Stroke					1	1
Debility of Old Age	5	7	12	186	176	362
Accident				7	7	14
Suicide.....				10	9	19
Surgical Diseases.....				2	4	6
Gynæcological Diseases.....						
Malignant New Growths, or Cancer	1	1	2	15	31	46
Totals	35	32	67	1,191	1,017	2,208

TABLE No. 10—LONDON.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses :—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses		3	3		3	3			
Exhaustion Psychoses :—									
(a) Collapsed Delirium		1	1						
(b) Acute Confusional Psychoses	1		1	1		1			
(c) Neurasthenia									
Intoxication Psychoses :—									
(a) Acute Intoxications									
(b) Chronic “	4		4						
(a) Alcoholism (acute and chronic)		1	1	3	1	4			
(b) Delirium Tremens									
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosiis									
(e) Alcoholic Hallucinatory Dementia									
(f) “ Paronia									
(g) “ Paresis									
(h) Morphinism		1	1	1		1		1	1
(i) Cocainism									
Thyroidogenous Psychoses :—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox :—									
(a) Hebaphrenic	21	13	34	8	9	17	4	4	8
(b) Catatonic	6	7	13	3	7	10		3	3
(c) Paranoid	10	8	18	6	5	11	4	6	10
General Paresis	7	2	9	1		1	5	1	6
Organic Dementias :—									
(a) Cerebral Sclerosis	1		1		2	2			
(b) Huntingdon's Chorea								1	1
(c) Multiple Sclerosis									
(d) Cerebral Syphilis	1		1						
(e) Tabetic Psychoses				1		1			
(f) Arterio Sclerotic Psychoses	1	4	5				1	4	5
(g) Cerebral Tumor, Abscess, Hæmorrhage									
Involution Psychoses :—									
(a) Melancholia	10	17	27	3	8	11	4	4	8
(b) Pre-senile Delusional Psychoses	12	13	25	4	7	11	4	1	5
(c) Senile Dementia	5	4	9	2	1	3	7	7	14
Manic Depressive Psychoses :—									
(a) Manic States	16	10	26	4	5	9	2	1	3
(b) Depressed States	4	8	12	3	3	6			
(c) Mixed States									
<i>Carried Forward</i>	99	92	191	40	51	91	32	32	64

TABLE No. 10—LONDON—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	99	92	191	40	51	91	55	32	64
Paranoia									
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	3		3				3		3
(b) Hysterical Psychoses									
(c) Sexualis Psychopathia									
States of Deficient Mental Development:—									
(a) Imbecility	6	1	7	1		1			
(b) Idiocy									
Not Diagnosed	1	1	2						
Not Insane									
Totals	109	94	203	41	51	92	35	32	67

TABLE No. 11—LONDON.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct 31st, 1913.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	47	17				6
From 1 to 2 months	27	19	1	1		
" 2 " 3 "	18	17	5	1	1	1
" 3 " 4 "	8	17	7	2	1	3
" 4 " 5 "	7	15	7	5	2	2
" 5 " 6 "	11	17	2	1	1	1
" 6 " 9 "	12	23	13	9	3	5
" 9 " 12 "	12	23	1	6	2	
" 12 " 18 "	12	48	1	3		4
" 18 months to 2 years ..	9	56			1	1
" 2 to 3 years	10	66	1	4		5
" 3 " 4 "	7	52	2	2		1
" 4 " 5 "	6	50		1		6
" 5 " 10 "	6	241	2	1	1	11
" 10 " 15 "	4	138				4
" 15 " 20 "	3	103				5
" 20 years and upwards	4	222	1		1	12
Totals	203	1,124	43	36	13	67

HOSPITAL FOR INSANE, MIMICO.

ANNUAL REPORT OF MEDICAL SUPERINTENDENT FOR YEAR ENDING OCTOBER 31ST, 1913.

To EDWIN R. ROGERS, Esq.

Inspector of Hospitals for Insane,
Toronto, Ont.

SIR,—In accordance with the requirements of the Statute I have the honor to enclose herewith the Nineteenth Annual Report of this hospital for the year ending October 31st, 1913.

— — —	Male.	Female.	Total.	Male.	Female.	Total.
There were in residence on October 31st, 1912				313	311	624
Admitted during the year by Warrant...	71	23	94			
Admitted during the year by Certificate .	36	53	89			
Total admitted during the year				107	76	183
Total number under treatment during year				420	387	807
Discharged during the year recovered....	30	24	54			
Discharged during the year improved....	13	7	20			
Discharged during the year unimproved .	1	1	2			
Discharged during the year not insane....	0	0	0			
Total discharged during the year	44	32	76			
Number died during the year.....	22	18	40			
Number eloped during the year	2	0	2			
Number deported during the year.....	6	0	6			
Number transferred during the year	0	12	12			
Total number leaving the hospital during year.....				74	62	136
Total number remaining in Hospital on October 31st, 1913.....				346	325	671

ADMISSIONS.

During the past year there were one hundred and eighty-three patients admitted, ninety-four by warrant and eighty-nine by medical certificate.

Of this number one hundred and seven were men and seventy-six were women. Ninety-two had been married and ninety-one were single; fourteen of this number had lost their helpmates. Of the ninety-one single persons admitted sixty-four were men and twenty-eight were women; while of the ninety-two married persons admitted forty-three were men and forty-nine were women. Among the men an hereditary tendency could be traced in twenty-one cases and among the women it was found to exist in eighteen cases amounting in all to about twenty per cent. of the total number of admissions.

Loss of friends, business troubles, mental strain, worry, privation and over-work accounted for forty-six cases, twenty being men and twenty-six being women.

Of the total number admitted sixty-two were reported to have been ill for a period less than two months prior to admission, while seventy had already entered the chronic state, having been ill for more than a year before they were brought to the hospital for treatment.

DISCHARGES.

During the past year seventy-six patients were discharged, forty-four men and thirty-two women; also two male patients were sent back to the Old Land, having been residents of this country less than two years. Of this number thirty-six had been under treatment for a period less than twelve months; the remaining forty had been under treatment during a much longer period, three of these forty having been in residence between five and ten years and one as long as fifteen years.

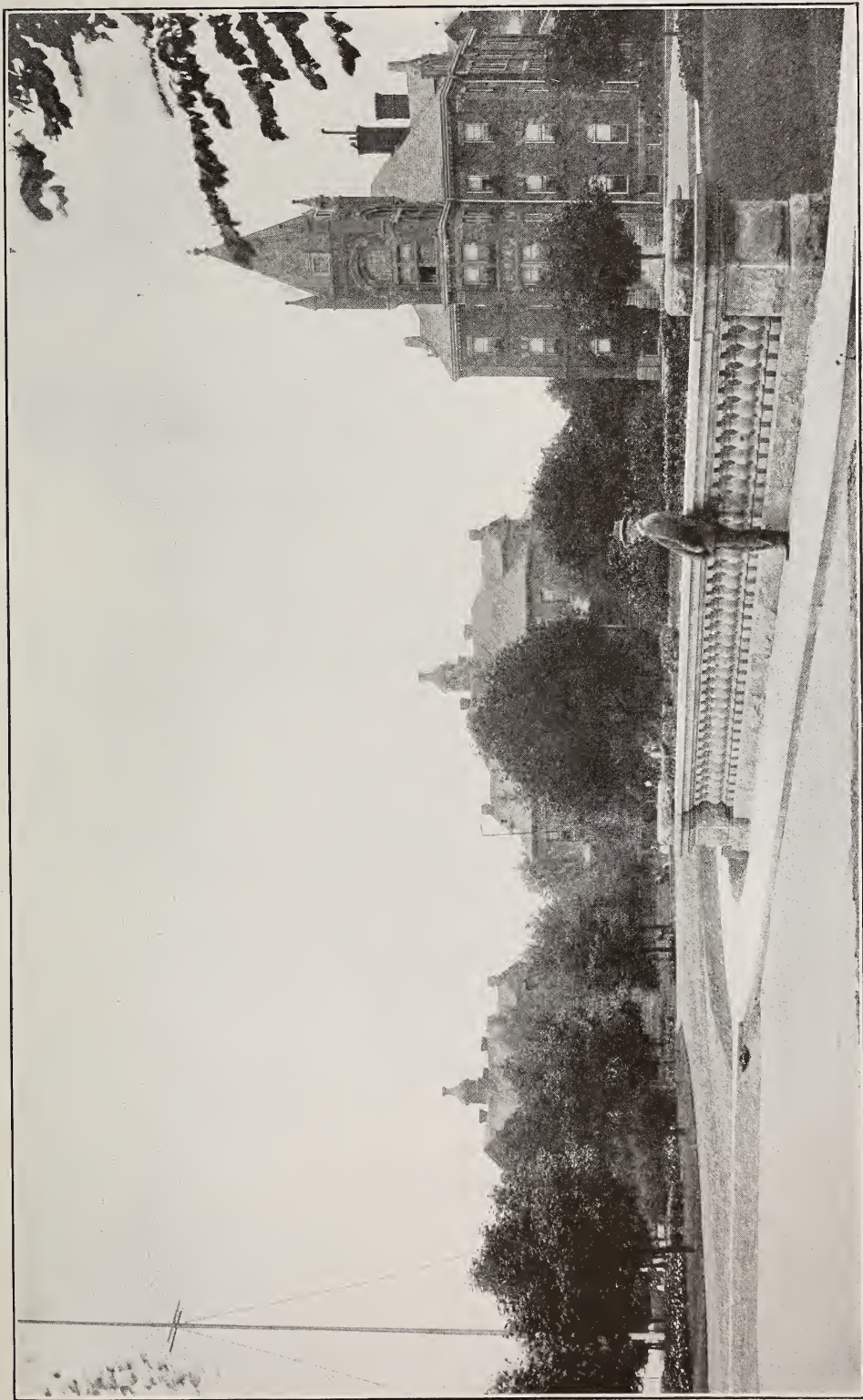
Seventy-six patients went home with their friends on probation during the year, forty-five men and thirty-one women. The majority of the seventy-six patients discharged had been given the privilege of a trial at home with their friends and after their improved condition had been demonstrated as established by their residence at home they were ultimately discharged and their names removed from the books of the Institution at the expiration of such term of probation. Of the total number who were allowed home during the year on probation only five were brought back to the Institution.

DEATHS.

During the past year forty deaths have occurred in this hospital, twenty-two being men and eighteen women. Of this number eight died at middle life, six between the ages of 50 and 60 years, four between 60 and 70 years, four between 70 and 80 years and one woman had attained the age of 90 years. Twenty-five per cent. of these deaths were due to pulmonary affections and senility, paresis, apoplexy, epilepsy and exhaustion accounted for the greater part of the remaining number.

VOLUNTARY ADMISSIONS.

During the past year the practice of admitting voluntary patients to this hospital has been continued with entirely satisfactory results. It not infrequently happens that a man may be ill mentally and may be so conscious of it that he may desire to have the care and protection of the hospital as well as to avail himself of the measures for treatment which the hospital provides and in some of these instances the patient applies in person and requests admission which of late years has been sometimes granted him. As the legislation stands at the present time an applicant for voluntary admission, no matter how pressing his claims, would have to be refused admission until he could be regularly certified and in some of these cases the suicide of the applicant would probably take place before the statutory conditions for his admission could be completed; voluntary admission in such cases would seem to be the only available remedy. The frequency of this experience is such that it would appear most desirable that there should be legislative enactment authorizing voluntary admission to our hospitals for the insane so that they may at least be on an equal footing in this respect with the private hospitals in the Province which have such privileges accorded them.



Main Building and Cottages, Mimico.

INCREASED ACCOMMODATION.

In the early part of the year owing to the accumulation of insane in the gaols of the district it became necessary to devise some means of providing additional accommodation in this hospital for a large number of men and women, and in order to meet these requirements the space which had heretofore been allotted to each person had somewhat to be curtailed and a reduction made in the cubic space heretofore allotted them. By this means and by an arrangement for the temporary occupation of the refreshment room in the Assembly Hall temporary accommodation was made for thirty men and thirty women, and this additional accommodation for the time being relieved the pressure from the gaols in the district.

The twenty men which are provided with sleeping accommodation are of the very quiet and safe class, who are not likely to become disturbed at night and who do not require so urgently night attendance as the average patient, and this lot of patients only receives attention at night from one of the night watches regularly stationed in one of the cottages.

TRANSFERS TO HOUSES OF INDUSTRY.

From time to time and for many years the subject of accommodating some of the patients of the hospitals who had become slightly demented in the county houses of industry has been considered and discussed, but the feasibility of the plan had never been put to a test until during the past year. The pressure from the outside for hospital accommodation had again become so great that in the month of October the expedient was given a test, and thirteen men and six women were sent from this hospital to houses of industry in the counties which comprise this hospital district. The patients selected for this transfer were quiet, harmless ones who had commonly passed through an acute attack of mental illness and who had thus been deprived of some of their original brightness and mental force, but who, upon recovering their acute attack could not be said to be quite well enough to be turned out upon the public without a limited degree of oversight. Thus far the experimental test has been entirely satisfactory as in no individual instance has anyone been returned to the hospital, which means that the facilities at the houses of industry have been equal to the provision of the necessary comforts of the inmates committed to them, and in this way some slight additional accommodation has been provided for those who are suffering from the more acute forms of mental disease.

TRAINING SCHOOL.

Notwithstanding the very large number of changes in the staff of nurses during the past three years there were five nurses, who after pursuing the whole course in training, passed the examinations and were awarded graduates' diplomas during the year. It is too soon to generalize upon a short experience, but it would seem that there exists in the minds of the graduate nurses a strong disinclination to remain in the hospital service after having pursued the course prescribed by the training school, and after having become through the efforts of the hospital staff as well qualified as possible for the performance of the highest type of pro-

fessional services. At the present time four of the foregoing five nurses who graduated in the spring have already severed their connection with the hospital and the fifth one has arranged to do so, thus depriving the hospital within a few months of the time of their graduation of their highly valued special and experienced services.

WORK ON GROUNDS.

A good deal of levelling and grading was done on the lake front during the summer and a trench twelve hundred feet in length was made for a new water pipe along the south side of the garden as far as the brick barn. This new four inch pipe will supply small pipes branching off northward into the garden space for the use of the gardener wherever he may require additional water for the vegetables. This pipe will also give a water supply to the new stables which will ultimately be situated near the brick barn. Besides the foregoing a good deal of grading was done on the ground north of the men's cottages and near the Assembly Hall, and this whole area is now taking on a very much improved appearance.

LOSS OF ORNAMENTAL TREES.

The prolonged period of unusually dry weather during the past summer was attended by the most serious loss of ornamental trees which has ever taken place here in one summer. Although the gardener endeavoured to avert the loss by a system of artificial irrigation about sixty or seventy healthy elms and maples perished. In former years a few trees have died but commonly their destruction has been traceable to the attacks of woodpeckers or to the influence of injurious insects, but during the past year these trees which have died and which since have been taken out by the roots show no internal evidence of any other cause operating on them than drought. New trees will replace the old ones in the spring but as the old ones had been growing nicely for twelve years and more their loss to the Park is a serious one.

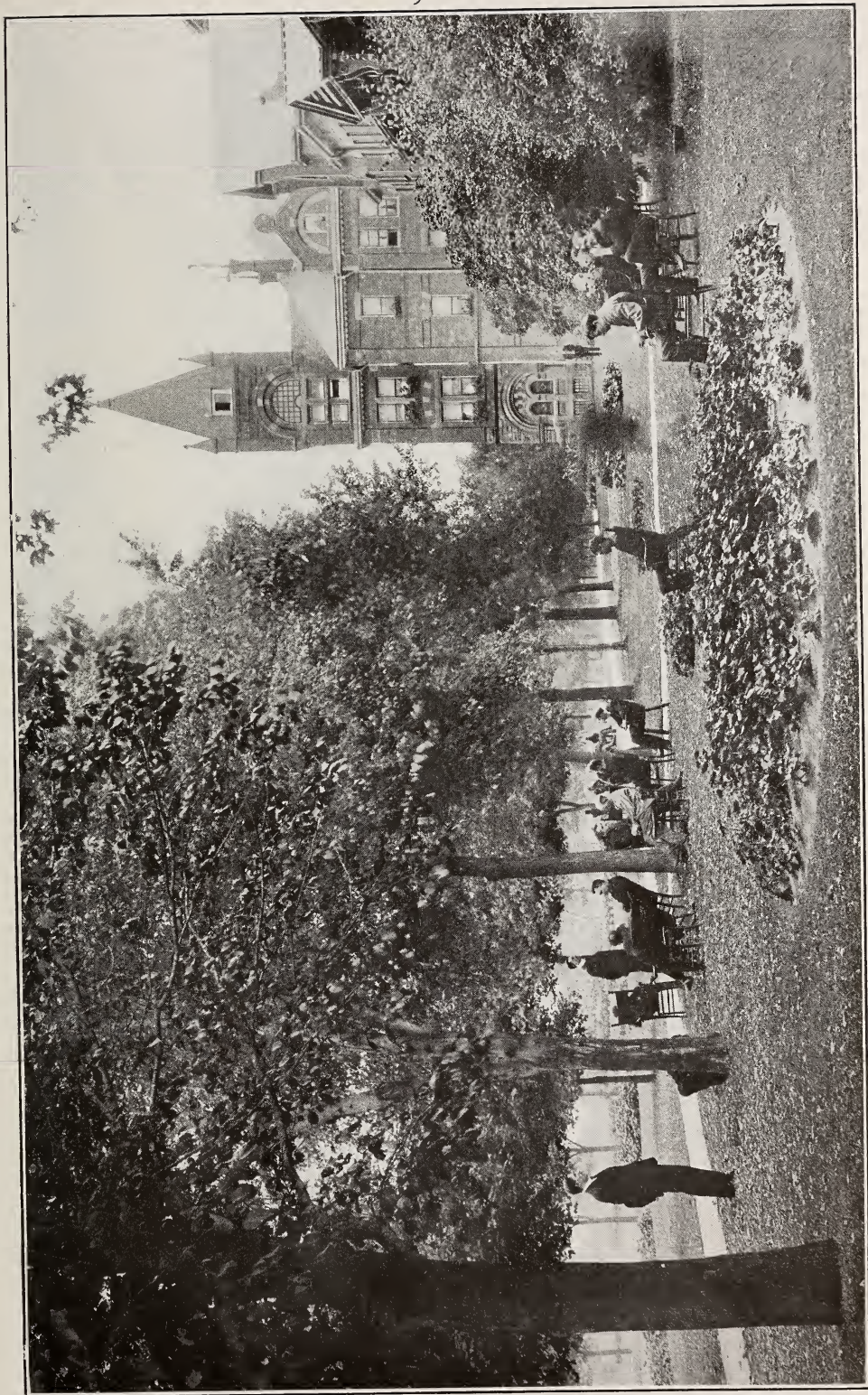
FARM AND GARDEN.

During the past year there has been some re-arrangement of the farm staff so that now there is a herdsman who has charge of all the stock such as horses, cattle, pigs and so forth and this arrangement has been eminently satisfactory.

The yield of grain and hay and roots was somewhat above the average during the past summer notwithstanding the unusually dry weather, but the soil is of such a character that the dry weather did not seriously militate against an abundant crop. The garden products were also abundant and of excellent quality, the new garden plot giving greater facility to the gardener for the growth of roots and vegetables than heretofore. The small fruits such as strawberries, raspberries and currants suffered from the dry weather, as did also the apple crop, which was considerably below the average.

IMPROVED METHOD OF MILK DELIVERY.

Milk is divided at the dairy by straining into as many tins as there were objective points for delivery so that the milk could be delivered from the dairy at the farm to the Administration Building or kitchen or cottages, instead of being



Main Building and Cottages, Mimico (from the North).

delivered to the butcher shop, there to be divided into quantities requisitioned by these various places. Since this improved method of delivery has been adopted there is greater uniformity in the amount received by each cottage and the quality has always been first-class, as each objective point preserves its own supply. It may be added that not only has the quality of the milk been greatly improved by this method of delivery but during the past season the quantity of the milk from the same number of cows as were formerly in the stable has been greatly augmented.

REORGANIZATION OF LAUNDRY.

For some years past the old mangle in use at the laundry had been found to be quite inadequate for the requirements and representations of this fact had received your co-operation in the purchase of a larger and more efficient machine. While the mangle itself was too small the floor of the laundry had somewhat decayed with age, and as its supports were of timber and had not been originally constructed with the view of sustaining very heavy weight it was found impossible to instal the new mangle until a new floor had been constructed to take the place of the old decayed one. It therefore became necessary to put in steel girders and a cement floor throughout the whole laundry, and in order to do this all of the pipes composing the driers in the drying room had to be removed. The former laundry floor was so placed that there was no available working space between it and the tops of the boilers in the boiler house below it, and it was recommended that when the new floor was being made it should be raised about two feet so as to allow working space over the boilers and this recommendation of his was carried out.

This reorganization of the laundry with the addition of the new mangle which can now be installed with safety, because of the increased strength of the floor, will give the Institution a very much better service than ever has been possible under the old conditions.

ENGINEER'S NEW WORK SHOP.

In the process of reorganization of the laundry the inclusion of the Engineer's former work shop into the laundry made it necessary to make some provision for the engineer, and in order to do this some of the space formerly occupied by the carpenter shop and part of the hallway and another room in the carpenter shop were turned into one and fitted up for the engineer's work shop. After many years of reorganization and reconstruction in the centre building and carpenter shop the accommodation for the kitchen and employees' dining-room and laundry and engineer's and carpenter's work-shop is at the present time in very much better condition than at any prior date of the history of the Institution.

RENOVATING LAVATORIES.

The floors of the lavatories were much worn and required to be reconstructed in a more permanent way and this work, with the entire renewal of the interior fittings of the lavatory, has been carried out during the past year by the Public Works Department. The Institution mason and carpenter are assisting with this work and when completed it is to be hoped that the sanitary conditions will be entirely satisfactory.

CHANGES AMONG OFFICERS AND EMPLOYEES.

Late last year the chief female attendant and trained nurse Mrs. Alice Robertson resigned her position on account of ill health and her post was filled on the 22nd of November of the present official year by Mrs. Christina Brock.

The two assistant medical officers Doctor William Marshall and Doctor Edgar Leary who had given good service here for over a year also resigned. Doctor Allan Earle and Doctor Allan Parker were appointed to fill these vacancies; subsequently when Doctor Earle resigned Doctor Louis Yealland was appointed to fill his place.

In keeping with the records of the past several years there were many changes among the employees, one hundred and twenty-three new servants receiving employment, seventy-eight being men and forty-five women; a large proportion of the vacancies were created by the resignation of employees who found their interest better served by securing other occupation outside of the hospital.

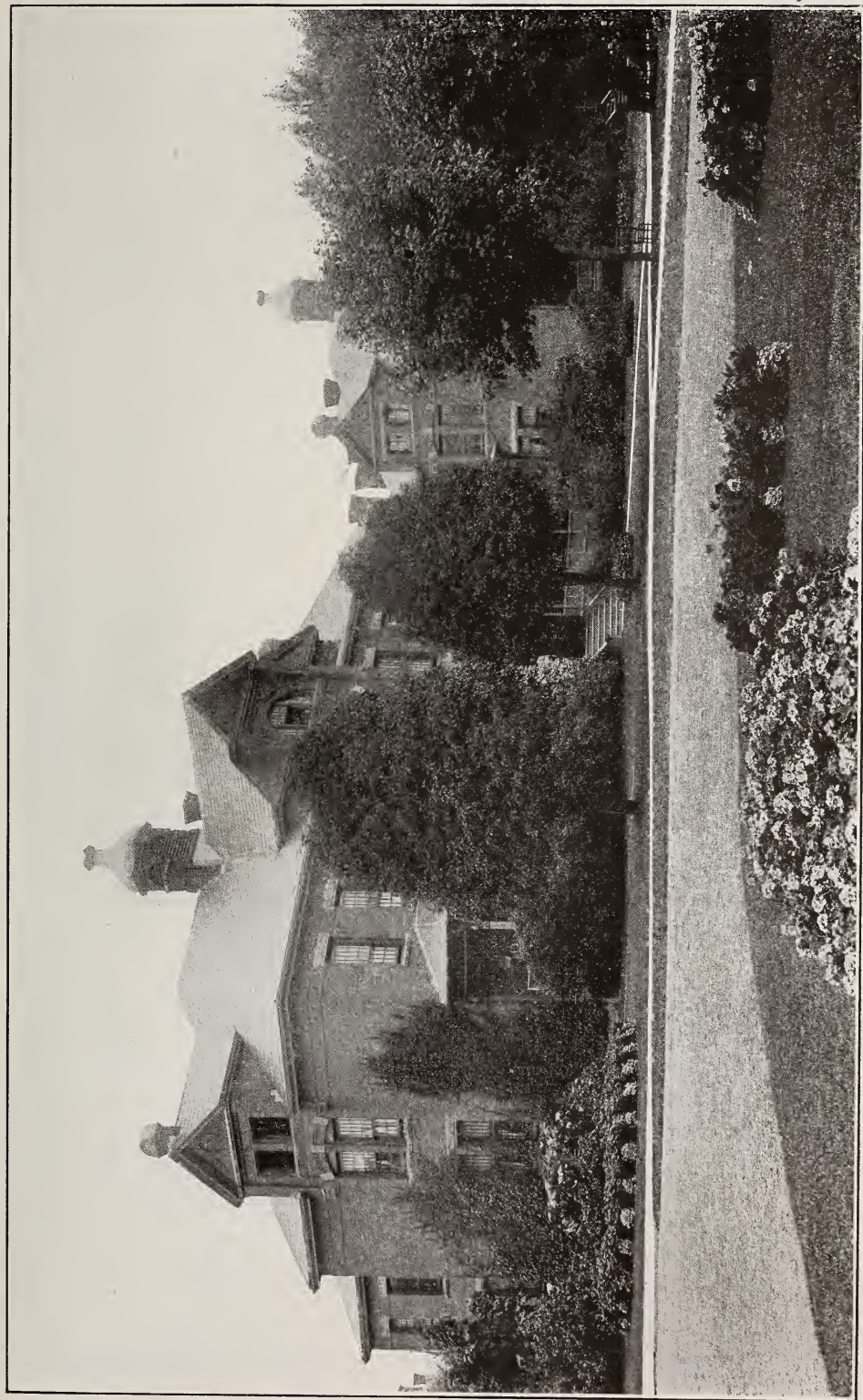
Gratefully acknowledging your valuable counsel and support during the year in many perplexing problems.

I have the honor to be, Sir,

Your obedient servant,

N. H. BEEMER,

Medical Superintendent.



South Cottages, Mimico. (Women's Side.)

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, MIMICO, FOR THE YEAR
ENDING OCTOBER 31st, 1913.

TABLE No. 1—MIMICO.

Showing movements of patients in the Hospital for the official year ending 31st October, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	340	320	660			
In Residence 31st October, 1912				313	311	624
Admitted during year 1912-13:—						
By Warrant	71	23	94			
By Medical Certificate	23	53	89	107	76	183
Total number under treatment during year				420	387	807
Discharges during year:—						
As recovered	30	24	54			
" improved	13	7	20			
" unimproved	1	1	2			
" not insane						
Total number discharged during year ...	44	32	76			
Died	22	18	40			
Deported	6		6			
Eloped	2		2			
Transferred		12	12	74	62	136
Remaining in Hospital 31st October, 1913.				346	325	671
Total number admitted since opening of Hospital				1,613	1,506	3,119
Total number discharged since opening of Hospital	502	476	978			
Total number died since opening of Hospital	451	402	853			
Total number deported since opening of Hospital	41	5	46			
Total number eloped since opening of Hospital	37	1	38			
Total number transferred since opening of Hospital	236	297	533	1,267	1,181	2,448
Total remaining in Hospital 31st October, 1913.				346	325	671
Daily average population	388.93	321.42	660.35			
Collective days' stay of all patients in residence during year	123,710	117,317	241,027			
Number of applications on file	78	46	124			

TABLE No. 2—MIMICO.

Showing social state and religion of patients admitted during the year and since opening of Hospital

	Admissions of Year.			In residence Oct. 31, 1913.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....	64	28	92	240	153	393	1,000	598	1,598
Married	36	41	77	94	150	244	587	868	1,455
Widowed	7	7	14	12	21	33	26	39	65
Divorced					1	1	.....	1	1
Separated									
Unascertained									
Totals	107	76	183	346	325	671	1,613	1,506	3,119
RELIGION.									
Baptists	6	3	9	13	14	27	53	72	125
Congregationalists					1	1	3	7	10
Church of England	24	20	44	71	66	137	325	329	654
Methodists	13	18	31	82	91	173	369	393	762
Presbyterians	21	13	34	65	69	134	315	288	603
Roman Catholics	26	17	43	79	64	143	373	311	684
Other Denominations....	11	5	16	21	15	36	114	64	178
Unascertained	6	.....	6	15	5	20	61	42	103
Totals.....	107	76	183	346	325	671	1,613	1,506	3,119



Overlooking Lake Ontario and Wharf, Mimico.

TABLE No. 3—MIMICO.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total admissions	107	76	183	1,613	1,506	3,119
Total born in Canada	69	57	126	1,062	1,021	2,083
Armenia						
Assyria						
Austria	5		5	13		13
Australia				1		1
Belgium						
Bulgaria						
Central America						
China						
Denmark				1		1
England	9	11	20	191	158	349
France				4	1	5
Finland	2		2	15	5	20
Galacia						
Germany	3		3	20	7	27
Greece						
Holland						
Hungary					1	1
Ireland	6	2	8	152	182	334
Italy				10	1	11
Japan						
Macedonia				1		1
Other British Possessions		1	1	1	6	7
Norway	1		1	7	2	9
Roumania	2		2	3		3
Russia	6	3	9	16	6	22
Scotland	1	2	3	67	71	138
South America						
Spain					1	1
Sweden	2		2	9	7	16
Turkey						
United States	1		1	25	26	51
West Indies				2		2
Unascertained				13	11	24
Totals	107	76	183	1,613	1,506	3,119

TABLE No. 4—MIMICO.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional :— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc	2	.....	2	62	7	69
Commercial :— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc	7	.....	7	131	15	146
Agricultural and Pastoral :— Farmers, Gardeners, Stock Men, etc.	29	.....	29	458	.....	458
Mechanics at Outdoor Vocations :— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.....	10	.....	10	156	2	158
Mechanics, etc., at Sedentary Vocations ; Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc.....	5	.....	5	101	48	149
Domestic Service :— Waiters, Cooks, Servants, etc.....	1	9	10	9	211	220
Education and Higher Domestic Duties : Governesses, Teachers, Students, Housekeepers, Nurses, etc.....	1	63	64	21	1,023	1,044
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc	2	.....	2	35	.....	35
Laborers	46	1	47	523	2	525
No Occupation	3	3	6	58	152	210
Unascertained	1	.....	1	59	46	105
Totals	107	76	183	1,613	1,506	3,119

TABLE No. 5—MIMICO.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District ..	9	7	16	53	58	111	9	4	13	43	28	71	16	21	37
Brant				7	5	12				3	1	4	1	1	2
Bruce		1	1	3	4	7				2	1	3		1	1
Carleton				10	11	21				8	6	14			
Dufferin	1		1	6	3	9	1		1	2	1	3	3	1	4
Dundas				3	5	8				2	3	5			
Durham	1		1	13	18	31	1		1	7	8	15	3	3	6
Elgin				5		6				4		4	1		1
Essex				5	2	7					1	1		1	1
Frontenac				11	17	28				4	7	11	2		2
Glengarry				2	2	4				1		1			
Grenville				4	6	10				2	3	5			
Grey				19	16	35				12	7	19	2	6	8
Haldimand				1	1	2							1	1	2
Haliburton		1	1	3	3	6		1	1	1	2	3			
Halton		1	1	6	11	17				1	2	3		4	4
Hastings				23	33	56				15	25	40	1	2	3
Huron				5	6	11				1	1	2	1		1
Kent				4		4				4		4	2		2
Lambton				5	5	10				4	3	7	1	1	2
Lanark				9	8	17				7	6	13			
Leeds				1	3	4				1	2	3			
Lennox and Ad- dington				4	5	9				3	5	8	1		1
Lincoln				1	1	2									
Manitoulin	2	2	4	15	8	23				7	3	10	3	5	8
Middlesex				16	6	22				8	1	9	2		2
Muskoka District ..	2	6	8	48	41	89	1	1	2	25	12	37	5	10	15
Nipissing District.	25	10	35	125	52	177	23	7	30	96	27	123	47	21	68
Norfolk				3	4	7				2	1	3			
Northumberland ..				26	24	50				13	9	22	7	1	8
Ontario	6	6	12	115	141	256	2		2	58	34	92	22	28	50
Oxford				9	2	11				7	2	9	3		3
Parry Sound Dis- trict	4	6	10	50	34	84	2		2	33	15	48	12	14	26
Peel	4	3	7	77	76	153	2		2	33	23	56	17	18	35
Perth				9	2	11				4		4	3		3
Peterborough	6	7	13	101	135	236	3	1	4	59	37	96	24	35	59
Prescott				4	3	7				4	3	7			
Prince Edward ..				2	6	8				2	2	4		1	1
Rainy River Dis- trict	1		1	28	17	45	1		1	24	14	38	4	8	12
Renfrew				4	5	9				4	3	7			
Russell				3	1	4				3		3			
Simcoe	17	9	26	218	186	404	10		10	84	35	119	52	28	80
Stormont				1	2	3					1	1			
Thunder Bay Dis- trict	5	7	12	57	29	86	5	5	10	52	24	76	13	10	23
Victoria	7	2	9	123	114	237	4	1	5	82	32	114	30	28	58
Waterloo				5	2	7				3	1	4	1		1
Welland				2	2	4				2	2	4	1		1
Wellington	1		1	4	3	7					1	1	1		1
Wentworth					8	8					3	3			
York	16	8	24	355	377	732	7	3	10	189	169	358	63	76	139
Unascertained				9	3	12				2	3	5	1		1
Totals	107	76	183	1,613	1,506	3,119	71	23	94	923	569	1,492	346	325	671

TABLE No. 6—MIMICO.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL							
Adverse Conditions (such as loss of friends, business troubles, etc).....	5	10	15	2	2	4	11
Mental Strain, Worry and Overwork (not included in above).....	15	11	31	3	5	8	2
Religious Excitement.....	1	1	2	1	1	2	.....
Love Affairs, including seduction.....	.....	1	1	.....	.....	.....	1
Fright and Nervous Shock.....	.....	3	3	.....	.....	.....	3
PHYSICAL.							
Alcoholism.....	6	2	8	.....	1	1	7
Sexual Excess.....	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases.....	6	1	7	.....	.....	.....	7
Masturbation.....	4	.....	4	.....	.....	.....	4
Insolation.....	1	.....	1	.....	.....	.....	1
Accident or Injury.....	4	3	7	2	.....	2	5
Pregnancy.....	.....	4	4	.....	2	2	2
Parturition and Puerperium.....	.....	1	1	.....	1	1	.....
Lactation.....	.....	.....	.....	.....	.....	.....	.....
Climacteric Period.....	.....	7	7	.....	.....	.....	7
Fevers.....	3	.....	3	1	.....	1	2
Privation and Overwork.....	13	1	14	5	.....	5	9
Epilepsy.....	.....	.....	.....	.....	.....	.....	.....
Other Convulsive Diseases.....	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull.....	2	.....	2	.....	.....	.....	2
Senility.....	7	5	12	.....	.....	.....	12
Exophthalmic Goitre.....	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza.....	.....	2	2	.....	1	1	1
Abuse of Drugs.....	1	1	2	.....	.....	.....	2
Loss of Special Sense.....	.....	.....	.....	.....	.....	.....	.....
Uraemia.....	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection.....	.....	.....	.....	.....	.....	.....	.....
Other Bodily Diseases.....	1	3	4	.....	1	1	3
HEREDITARY.							
Congenital Defect.....	15	6	21	5	3	8	13
Unascertained.....	22	9	31	2	1	3	28
Not Insane.....	1	.....	1	.....	.....	.....	1
Totals.....	107	76	183	21	18	39	144

TABLE No. 7—MIMICO.

Showing hereditary tendency to insanity in patients admitted during the year.

	Admitted during year.		
	Male.	Female	Total.
Paternal Branch.....	5	4	9
Maternal Branch.....	5	6	11
Paternal and Maternal Branches	7	3	10
Collateral Branches.....	4	5	9
No Hereditary Tendency	40	38	78
Unascertained	46	20	66
Totals.....	107	76	183

TABLE No. 8—MIMICO.

Showing summary of Probational Discharges during the year.

	Male.	Female.	Total.
Number granted probational discharge	60	36	96
Discharged recovered while on probation.....	17	14	31
" Improved " "	11	6	17
" Unimproved " " .....	.....	.....	.....
Died " "	1	.....	1
Returned to Hospital " "	5	2	7
Absent on probation on 31st October, 1913.....	26	14	40

TABLE No 9—MIMICO.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases —						
Typhoid Fever.....				5	5	10
Influenza.....					2	2
Cerebro-spinal Meningitis.....						
Diphtheria.....						
Erysipelas.....	1		1	3	2	5
Septicæmia.....	2	1	3	6	4	10
Dysentery.....				8	18	26
Syphilis.....				1		1
Tuberculosis.....	1	4	5	51	76	127
Constitutional Diseases :—						
Rheumatism.....				2		2
Arthritis Deformans.....						
Diabetes Mellitus.....				3	4	7
Diseases of the Digestive System :—						
Mouth, salivary glands.....						
Pharynx.....						
Tonsils.....						
Esophagus.....						
Diseases of the Intestines :—						
Diseases of the Liver.....				2	1	3
Diseases of the Pancreas.....				1	1	2
Diseases of the Peritoneum.....				7	7	14
Diseases of the Respiratory System :—						
Diseases of the Nose and Larynx.....				1		1
Diseases of the Bronchi.....				1	2	3
Diseases of the Lungs.....	2	4	6	26	26	52
Diseases of the Pleura.....				1		1
Diseases of the Circulatory System :—						
Diseases of the Pericardium.....				1		1
Diseases of the Heart.....	2		2	36	38	74
Arterio-sclerosis.....				1	3	4
Aneurism.....					1	1
Diseases of the Blood and Ductless Glands :—						
Anæmia.....				6	7	13
Pernicious Anæmia.....				3		3
Leukæmia.....				1		1
Exophthalmic Goitre.....					1	1
Diseases of the Genito-Urinary System..	1	1	2	3	2	5
<i>Carried Forward</i>	9	10	19	169	200	359

TABLE No. 9—MIMICO—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	9	10	19	169	200	359
Diseases of the Nervous System :—						
Diseases of the Nerves						
Diseases of the Spinal Cord.....	1		1	6	2	8
Diseases of the Meninges						
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thromboids, Hæmorrhage, and other gross lesions)	1	2	3	37	27	64
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria).....				4	2	6
Epilepsy	1	2	3	60	14	74
Mental Diseases :—						
Exhaustion of Acute Mental Dis- ease.....	1	2	3	37	31	68
Exhaustion of Chronic Mental Dis- ease.....	1		1	36	28	64
General Paresis	3	1	4	32	12	44
Intoxications :—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age.....	4	1	5	56	70	126
Accident				2	3	5
Suicide.....				4	1	5
Surgical Diseases				1	3	4
Gynæcological Diseases.....						
Malignant New Growths, or Cancer				4	9	13
Unknown (died while on probation).....	1		1	3		3
Totals.....	22	18	40	451	402	853

TABLE No. 10—MIMICO.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses :—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses		3	3		1	1		2	2
Exhaustion Psychoses :—									
(a) Collapsed Delirium	1		1						
(b) Acute Confusional Psychoses									
(c) Neurasthenia									
Intoxication Psychoses :—									
(a) Acute Intoxications									
(b) Chronic “									
(a) Alcoholism (acute and chronic)	3		3	4		4			
(b) Delirium Tremens									
(c) Korsakow's Psychoses	1		1				1		1
(d) Acute Alcoholic Hallucinosiis									
(e) Alcoholic Hallucinatory Dementia				1		1			
(f) “ Paranoia									
(g) “ Paresis									
(h) Morphinism									
(i) Cocainism									
Thyroigenous Psychoses :—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox :—									
(a) Hebaphrenic	11	6	17	10	1	11	2		2
(b) Catatonic	15	3	18	1	2	3	1	4	5
(c) Paranoid	6	8	14	7	2	9	1	1	2
General Paresis	2	1	3	1		1	3	2	5
Organic Dementias :—									
(a) Cerebral Sclerosis							1		1
(b) Huntingdon's Chorea		1	1						
(c) Multiple Sclerosis									
(d) Cerebral Syphilis	1		1				1		1
(e) Tabetic Psychoses									
(f) Arterio Sclerotic Psychoses									
(g) Cerebral Tumor, Abscess, Hæmorrhage ..	1	1	2	2		2	2		2
Involution Psychoses,—									
(a) Melancholia	3	6	9	1	4	5	1		1
(b) Pre-senile Delusional Psychoses	5		5	2	1	3			
(c) Senile Dementia	7	4	11		1	1	6	2	8
Manic Depressive Psychoses :—									
(a) Manic States	25	11	36	8	9	17	1	2	3
(b) Depressed States	11	12	23	3	6	9			
(c) Mixed States	3	2	5		1	1			
<i>Carried Forward</i>	86	58	143	40	28	68	19	13	33

TABLE No. 10—MIMICO—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	86	58	143	40	28	68	19	13	33
Paranoia.....		1	1						
Psychoses from Constitutional Neuroses :—									
(a) Epileptic Psychoses.....	1	1	2		1	1	1	2	3
(b) Hysterical Psychoses.....		1	1		1	1			
(c) Sexualis Psychopathia									
States of Deficient Mental Development :—									
(a) Imbecility	2	1	3	3	1	4	1	1	2
(b) Idiocy									
Not Diagnosed.....	8	14	22					2	2
Not Insane	1		1	1	1	2			
Totals	107	76	183	44	32	76	22	18	40

TABLE No. 11—MIMICO.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1913.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	3	9				7
From 1 to 2 months.....	29	20	1			4
“ 2 “ 3 “	10	8	4		1	1
“ 3 “ 4 “	11	11				1
“ 4 “ 5 “	6	9	3	5		
“ 5 “ 6 “	7	13	4	2		2
“ 6 “ 9 “	11	43	13	1		2
“ 9 “ 12 “	6	16	10	2		1
“ 12 “ 18 “	11	48	9	2		
“ 18 months to 2 years.	7	25	3	3		5
“ 2 to 3 years.....	17	45	6	1		
“ 3 “ 4 “	7	47		2		2
“ 4 “ 5 “	5	34				2
“ 5 “ 10 “	3	133	1		1	6
“ 10 “ 15 “	2	75		1		3
“ 15 “ 20 “	2	63				
“ 20 years and upwards	10	72				4
Unknown.....	6					
Totals.....	183	671	54	20	2	40

HOSPITAL FOR THE INSANE, PENETANGUISHENE.

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT FOR THE YEAR ENDING
OCTOBER 31ST, 1913.

TO EDWIN R. ROGERS, ESQ.

Inspector of Hospitals for the Insane,

Parliament Buildings, Toronto.

SIRS,—In accordance with the Statutory requirements I have the honor to submit the Tenth Annual Statistical Report of the Hospital for Insane, Penetanguishene, for the year ending October 31st, 1913.

POPULATION.

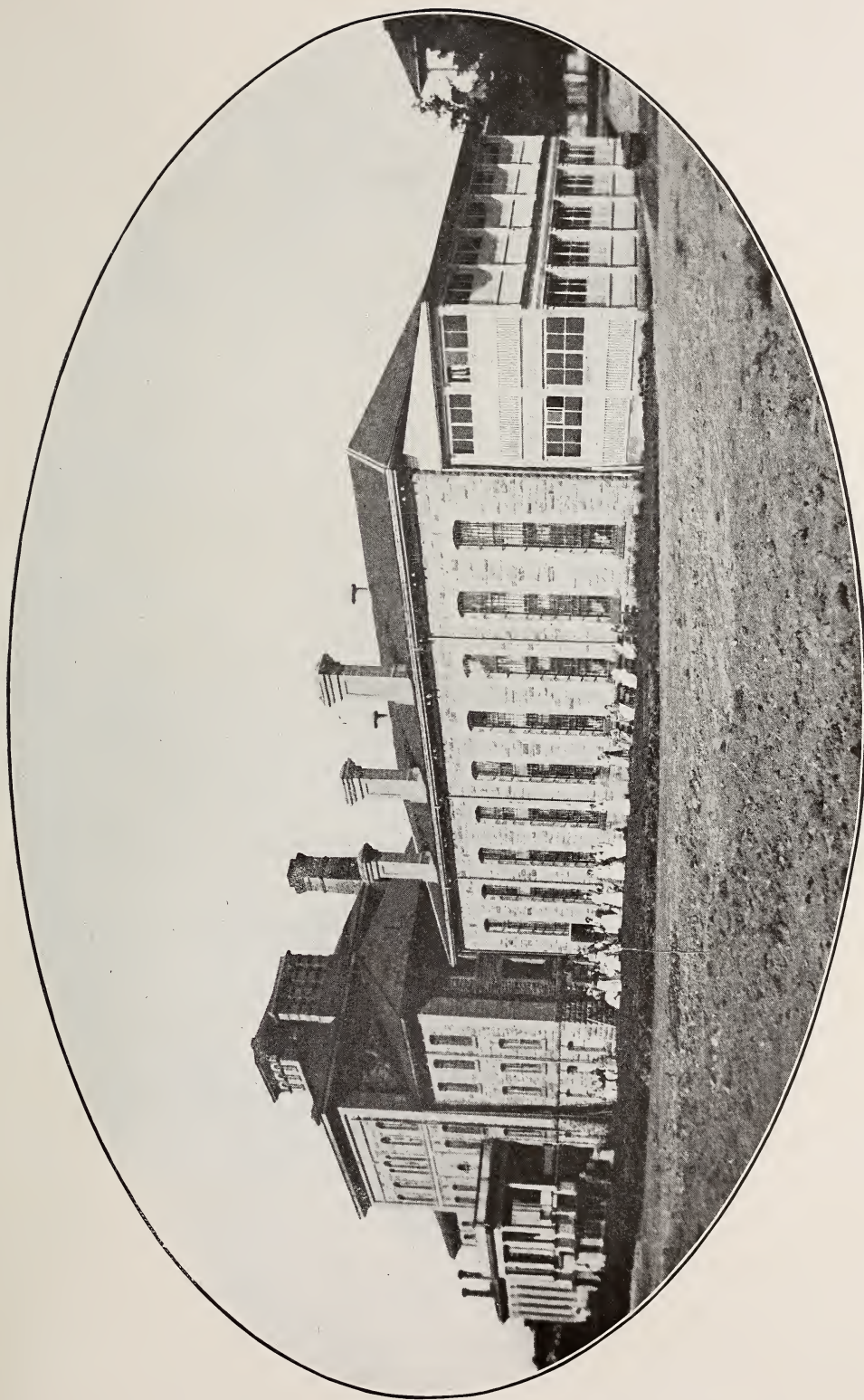
At the beginning of the year there were 165 male and 204 female patients in residence. During the year we had eighteen deaths, four more than last year, but the average age of patients who died increased from 61.2 to 64.6, the oldest being 88 and the youngest 31, the latter being carried off by tuberculosis, which was the only case of infectious or contagious disease that we had during the year. We received 6 male and 18 female transfers from other institutions and transferred 3 men and 5 women who could not be accommodated here.

HEAT AND LIGHT.

In April finding it difficult to secure and keep a suitable engineer at our electric light plant, we made arrangements with the town of Penetanguishene, to supply electric light and power, and have an agreement with them to bring power over their own wire direct to the building, so that we will be able to instal motors, and use power at granary, bakeshop, carpenter shop and other places, at a cost much less than we can produce it. The use of this Hydro-Electric power will result in considerable saving of coal, none being used at power house, and having the power continuously we are using electric irons in laundry and sewing room, thus doing away with the use of coal for heating irons.

WORK DONE.

All hands were kept busy throughout the year; all necessary repairs were made, the coal dock was rebuilt and enlarged, a capacious double deck balcony was built on the north end of main building, the stable at farm was torn out and completely made over, giving us a thoroughly up-to-date stable, the rink was completed, steam heat was put in dressing rooms, and the heating system in Wards 1 and 4 was very much improved; an attempt to get water by boring near engine room proved a failure; the walls of the boiler house beneath the hill were rebuilt, a balcony on the Superin'tendent's residence was commenced, and the sewage disposal system was all but completed.



Main Building, Penetanguishene.

WANTS.

A start has been made towards improving a much felt want, viz., the water pressure, and we hope before another year passes to have one of the most up-to-date water systems in the service. One of the most pressing needs at this institution is the accommodation for acute and excited patients, and to this end I would strongly recommend extensions to Cottage A, and possibly the remodelling and extending of carpenter shop to provide room for female patients. This would necessitate increased dining-room accommodation, which might be had, by using the present kitchen and taking the cold storage building adjoining for a kitchen or by extending the present dining-room to the contemplated extension of Cottage A. A new pig pen, improvements to granary, a stable for calves, a new ice house, extension to greenhouse, balcony on Cottage A, fire escapes from Amusement Hall and to Cottage B, motors for carpenter shop, granary, bakeshop and boat, improvements to our root houses, together with the removal of two houses from sewage disposal farm, changes in the heating system Wards 2 and 3, and at the employees' cottage are our most pressing needs.

Now that the stable accommodation at the farm has been increased the old stables and sheds at Assistant Superintendent's house will be torn down in the early spring, and repairs to the house must be made unless the contemplated removal of this building to another part of the grounds is accomplished.

CHURCH SERVICES.

We have again to thank the clergy of the town of Penetanguishene for their services, and can assure them that their coming among our people is looked forward to and deeply appreciated by all.

STAFF.

There has been but one change and one addition to the official staff, Mr. H. J. Spence, Bursar for a number of years, was transferred to Cobourg and Mr. W. H. Tallman was transferred from Orillia to fill the position here, Miss Latham a graduate of Brockville Training School came in April as Assistant Matron and Chief Attendant, and has proven herself to be a most efficient officer. R. Denure, employed here since the opening of the Institution as Farmer, was transferred to Orillia and Fred Parker was promoted to the vacancy. I have to thank all members of the staff, artisans and employees for their loyalty to me as their official head and you, Sir, for the consideration and advice you have so cheerfully given.

I have the honour to be, Sir,

Your obedient servant,

W. T. WILSON,

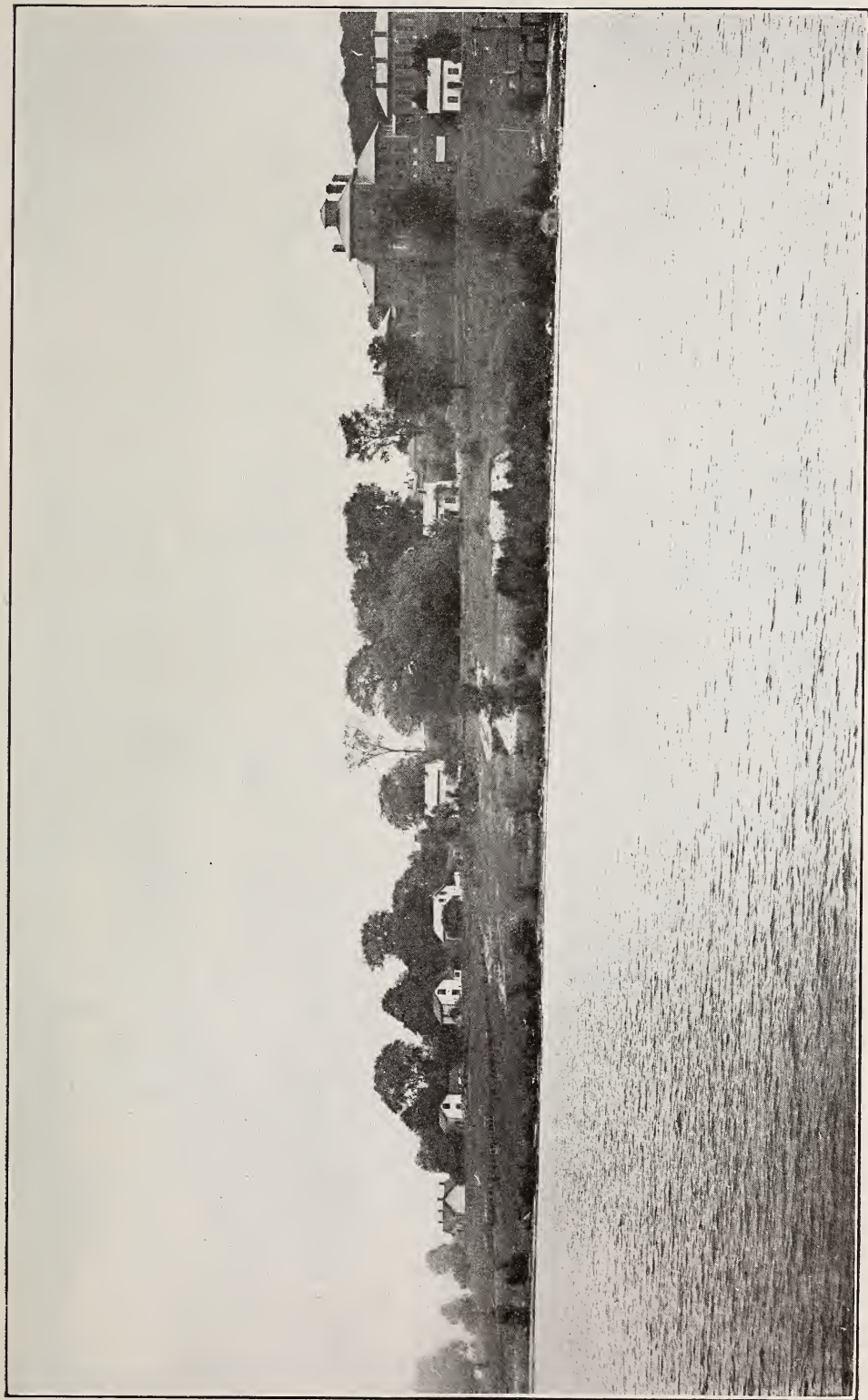
Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, PENETANGUISHENE, FOR THE YEAR
ENDING OCTOBER 31st, 1913.

TABLE No. 1—PENETANGUISHENE.

Showing movements of patients in the Hospital for the official year ending
October 31st, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	166	204	370			
In Residence October 31st, 1912.....				165	204	369
Admitted during year 1913:—						
By Warrant	4	11	15			
By Medical Certificate	2	7	9	6	18	24
Total number under treatment during year				171	222	393
Discharges during year:—						
As recovered						
“ improved						
“ unimproved						
“ not insane						
Total number discharged during year						
Died	4	14	18			
Deported						
Eloped						
Transferred	3	5	8	7	19	26
Remaining in Hospital October 31st, 1913				164	203	367
Total number admitted since opening of Hospital				258	321	579
Total number discharged since open- ing of Hospital	17	22	39			
Total number died since opening of Hospital	51	80	131			
Total number deported since opening of Hospital	8		8			
Total number eloped since opening of Hospital	7		7			
Total number transferred since open- ing of Hospital	11	16	27	94	118	212
Total number remaining in Hospital October 31st, 1913				164	203	367
Daily average population	164.32	200.94	365.17			
Collective days' stay of all patients in residence during year	59,947	73,344	133,291			
Number of applications on fyle.....						



Main Building and Employees' Cottages from the Bay, Penetanguishene.

TABLE No. 2—PENETANGUISHENE.

Showing social state and religion of patients admitted during the year and since opening of Hospital

	Admissions of Year.			In residence Oct. 31, 1913.			Admissions since opening		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....	4	11	15	130	112	242	187	164	351
Married	2	7	9	34	91	125	64	150	214
Widowed									
Divorced									
Separated									
Unascertained							7	7	14
Totals.....	6	18	24	164	203	367	258	321	579
RELIGION.									
Baptists.....	1	1	2	5	10	15	11	12	23
Congregationalists									
Church of England.....	1	3	4	29	49	78	52	77	129
Methodists.....		6	6	38	48	86	48	66	114
Presbyterians	1	4	5	23	22	45	37	51	88
Roman Catholics.....	1	1	2	41	48	89	59	76	135
Other Denominations.....	1	1	2	14	10	24	26	22	48
Unascertained	1	2	3	14	16	30	25	17	42
Totals.....	6	18	24	164	203	367	258	321	579

TABLE No. 3—PENETANGUISHENE.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions.....	6	18	24	258	321	579
Total born in Canada.....	3	9	12	144	194	338
Armenia					1	1
Assyria					2	2
Austria						
Australia.....						
Belgium.....						
Bulgaria						
Central America.....						
China						
Denmark					1	1
England.....	1	3	4	41	32	73
France				1		1
Finland	1		1	4	1	5
Galicia						
Germany				4	5	9
Greece				1		1
Holland						
Hungary						
Ireland.....		3	3	19	46	65
Italy				4	1	5
Japan						
Macedonia.....				1		1
Other British Possessions						
Norway				1		1
Roumania						
Russia				3	2	5
Scotland		3	3	9	18	27
South America						
Spain						
Sweden	1		1	2	1	3
Turkey.....						
United States.....				6	6	12
West Indies						
Unascertained				15	14	29
Total.....	6	18	24	258	321	579



Men's Cottage, Penetanguishene.

TABLE No. 4—PENETANGUSHENE.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional :— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers Surveyors, etc.....				3		3
Commercial :— Bankers, Merchants, Accountants, Clerks, Salesmen Stenographers, Typewriters, etc.				3		3
Agricultural and Pastoral :— Farmers, Gardeners, Stockmen, etc.	2		2	62		62
Mechanics at Outdoor Vocations ;— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.				19		19
Mechanics, etc., at Sedentary Voca- tions :— Shoemakers, Bookbinders, Com- positors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc.		1	1	8	11	19
Domestic Service :— Waiters, Cooks, Servants, etc.		8	8		107	107
Education and Higher Domestic Duties :— Governesses, Teachers, Students, Housekeepers, Nurses, etc.....		4	4	6	124	130
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc.....						
Laborers	4		4	116		116
No Occupation		5	5	16	50	66
Unascertained				25	29	54
Totals	6	18	24	258	321	579

TABLE No. 5—PENETANGUISHENE.

Showing the Counties and Districts from which patients have been admitted during the year,
and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District...				15	5	20				9	2	11	11	5	16
Brant					1	1								1	1
Bruce				1	5	6				1	3	4	1	4	5
Carleton	1	1	1	1	4	5	1	1	1	2	3	1	3	4	4
Dufferin	3	3	3		4	4	1	1	1	1	1	1		4	4
Dundas															
Durham				1	1	2							1		1
Elgin				1	4	5				1	3	4	1	4	5
Essex					2	2					2	2		2	2
Frontenac					4	4				1	2	3		4	4
Glengarry															
Grenville															
Grey	1	1	1	14	5	19	1	1	11	4	15	9	3	12	12
Haldimand															
Halton				1		1							1		1
Hastings					6	6					6	6		2	2
Huron				2	3	5				1		1	2	3	5
Kent															
Lambton				1	3	4				1	1	2		1	1
Lanark					1	1								1	1
Leeds				1	1	2					1	1	1	1	2
Lennox and Ad- dington				1	6	7					5	5		3	3
Lincoln				2	2	4				2	2	4	1		1
Middlesex				5	8	13				4	4	8	2	2	4
Muskoka District..	1		1	12	9	21	1		1	9	7	16	8	5	13
Nipissing District..				7	3	10				8	1	9	2	2	4
Norfolk					3	3								2	2
Northumberland ..	1	1	1	5	10	15	1	1	2	4	6	3	7	10	10
Ontario	1	1	1	15	13	28				14	6	20	12	10	22
Oxford				2	2	4				2	1	3	2	1	3
Parry Sound Dis- trict				4	1	5				4		4	1		1
Peel	1	1	1	1	3	4		1	1		2	2	1	3	4
Perth				1	3	4				1	2	3		1	1
Peterborough	1	1	1	5	3	8		1	1	5	3	8	5	2	7
Prescott				2	1	3				1		1	2		2
Prince Edward ..															
Rainy River Dis- trict	1		1	7	3	10	1		1	7	3	10	4	2	6
Renfrew				1	3	4				2	1	3		3	3
Russell															
Simcoe	1	1	2	64	82	146				25	28	53	27	45	72
Stormont					1	1					1	1		1	1
Thunder Bay Dis- trict	2	2	4	4	3	7	2	2	4	4	3	7	3	1	4
Victoria				7	7	14				6	6	12	4	6	10
Waterloo	1	1	1	2	1	3		1	1	2	1	3		1	1
Welland					2	2				1		1		1	1
Wellington				3	3	6				1		1	3	3	6
Wentworth	1		1	7	2	9				2	2	4	6	2	8
York		5	5	48	88	136		2	2	39	48	87	39	59	98
Unascertained ..				15	10	25				17	9	26	11	3	14
Totals	6	18	24	258	321	579	4	11	15	184	166	350	164	203	367

TABLE No. 6—PENETANGUISHENE.

Showing the assigned Causes of Insanity in the cases admitted during year.

Causes.	Total Admissions.			Inherited Predisposition.			Un-ascertained.
	Men.	Women.	Total.	Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.)....							
Mental Strain, Worry and Overwork (not included in above).....	1	2	3				
Religious Excitement		1	1				
Love Affairs, including seduction.....							
Fright and Nervous Shock.....							
PHYSICAL.							
Alcoholism		1	1		1	1	
Sexual Excess							
Venereal Diseases	1	1	2				
Masturbation							
Insolation							
Accident or Injury	1	1	2				
Pregnancy		1	1				
Parturition and Puerperium		1	1				
Lactation							
Climacteric Period		1	1				
Fevers	1	1	2				
Privation and Overwork							
Epilepsy							
Other Convulsive Diseases							
Diseases of Brain and Skull.....							
Senility							
Exophthalmic Goitre							
Epidemic Influenza							
Abuse of Drugs							
Loss of Special Sense							
Uræmia							
Other Auto-infection	1	1	2				
Other Bodily Diseases							
HEREDITARY.							
Congenital Defect		4	4		4	4	
Unascertained	1	3	4	1	3	4	15
Not Insane							
Totals	6	18	24	1	8	9	15

TABLE No. 7—PENETANGUISHENE.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.			Since Opening.		
	Male.	Female.	Total	Male.	Female.	Total.
Paternal Branch	1	1	2	22	32	54
Maternal Branch		2	2	15	25	40
Paternal and Maternal Branches				5	7	12
Collateral Branches				18	20	38
No Hereditary Tendency	5	13	18	83	93	176
Unascertained		2	2	115	144	259
Totals	6	18	24	258	321	579

TABLE No. 8—PENETANGUISHENE.

Showing summary of Probational Discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharge	2	6	8
Discharged, Recovered, while on Probation			
" Improved, "			
" Unimproved, "	1		1
Died while on Probation			
Returned to Hospital	1	5	6
Absent on Probation on October 31st, 1913		1	1

TABLE No. 9—PENETANGUISHENE.

Showing the Causes of Death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever				1		1
Influenza						
Cerebro-spinal Meningitis						
Diphtheria						
Erysipelas				1	2	3
Septicæmia					1	1
Dysentery					2	2
Syphilis						
Tuberculosis	1		1	6	7	13
Constitutional Diseases:—						
Rheumatism						
Arthritis Deformans						
Diabetes Mellitus					1	1
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Æsophagus						
Diseases of the Intestines:—						
Diseases of the Liver		1	1	1	1	2
“ “ Pancreas		1	1		1	1
“ “ Pertoneum					1	1
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx.						
“ “ Bronchi					2	2
“ “ Lungs		1	1	1	2	3
“ “ Pleura				1		1
Diseases of the Circulatory System:—						
Diseases of the Pericardium.....						
“ “ Heart	1	4	5	11	16	27
Arterio-sclerosis						
Aneurism						
Diseases of the Blood and Ductless Glands:—						
Anæmia					1	1
Pernicious Anæmia		1	1	1	2	3
Leukæmia						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System				3		3
<i>Carried Forward</i>	2	8	10	27	38	65

TABLE NO. 9—PENETANGUISHENE—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	2	8	10	27	38	65
Diseases of the Nervous System:—						
Diseases of the Nerves		1	1		1	1
" " Spinal Cord						
" " Meninges				1		1
Organic Diseases of the Brain:						
(Tumor, Abscess, Embolism,						
Thrombosis, Hæmorrhage and						
other gross lesions)		3	3	4	11	15
Functional Nervous Diseases:						
(Paralysis Agitans, Chorea,						
Eclampsia, Hysteria)						
Epilepsy	1		1	1	3	4
Mental Diseases:—						
Exhaustion of Acute Mental Dis-						
ease				1	2	3
Exhaustion of Chronic Mental						
Disease						
General Paresis				4	4	8
Intoxications:—						
Alcoholism						
Morphinism				1		1
Metallic Poisoning						
Heat Stroke						
Debility of Old Age	1		1	11	13	24
Accident					1	1
Suicide				1		1
Surgical Diseases					2	2
Gynæcological Diseases						
Malignant New Growths, or Cancer...		2	2		5	5
Totals	4	14	18	51	80	131

TABLE No. 10—PENETANGUISHENE.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(b) Infection Delirium .....	.....	.....	.....	.....	.....	.....	.....	1	1
(c) Post Infection Psychoses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Exhaustion Psychoses:—									
(a) Collapsed Delirium .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(b) Acute Confusional Psychoses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(c) Neurasthenia .....	.....	.....	.....	.....	.....	.....	.....	1	1
Intoxication Psychoses:—									
(a) Acute Intoxications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(b) Chronic " .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(a) Alcoholism (acute and chronic) ..	.....	1	1	.....	.....	.....	.....	.....	.....
(b) Delirium Tremens .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(c) Korsakow's Psychoses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(d) Acute Alcoholic Hallucinoses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(e) Alcoholic Hallucinatory Dementia ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
(f) " Paranoia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(g) " Paresis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(h) Morphinism .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(i) Cocainism .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thyroigenous Psychoses:—									
(a) Mixædematous Psychoses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(b) Cretinism .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dementia Præcox:—									
(a) Hebaphrenic	1	6	7	.....	.....	.....	.....	4	4
(b) Catatonic	1	3	4	.....	.....	.....	.....	2	2
(c) Paranoid	1	4	5	.....	.....	.....	.....	1	1
General Paresis	1	.....	1	.....	.....	.....	.....	.....	.....
Organic Dementias:—									
(a) Cerebral Sclerosis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(b) Huntingdon's Chorea .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(c) Multiple Sclerosis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(d) Cerebral Syphilis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(e) Tabetic Psychoses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(f) Arterio Sclerotic Psychoses .....	.....	.....	.....	.....	.....	.....	.....	1	1
(g) Cerebral Tumor, Abscess, Hæmorrhage	1	.....	1	.....	.....	.....	.....	.....	.....
Involution Psychoses:—									
(a) Melancholia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(b) Pre-senile Delusional Psychoses .....	.....	.....	.....	.....	.....	.....	1	1	2
(c) Senile Dementia .....	.....	.....	.....	.....	.....	.....	.....	2	2
Manic Depressive Psychoses:—									
(a) Manic States .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(b) Depressed States .....	.....	.....	.....	.....	.....	.....	1	1	2
(c) Mixed States	1	.....	1	.....	.....	.....	.....	.....	.....
<i>Carried Forward</i>	6	14	20	.....	.....	.....	2	14	16

TABLE No. 10—PENETANGUISHENE—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	6	14	20	.....	.....	.....	2	14	16
Paranoia .....	.....	1	1	.....	.....	.....	.....	.....	.....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses .....	.....	1	1	.....	.....	.....	1	.....	1
(b) Hysterical Psychoses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(c) Sexualis Psychopathia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
States of Deficient Mental Development:—									
(a) Imbecility .....	.....	1	1	.....	.....	.....	1	.....	1
(b) Idiocy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Not Diagnosed .....	.....	1	1	.....	.....	.....	.....	.....	.....
Not Insane .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	6	18	24	.....	.....	.....	4	14	18

TABLE No. 11—PENETANGUISHENE.

Periods.	Alleged duration of insanity prior to admission.	Length of resi- dence of those remaining in Hospital on O. t. 31st, 1913	Periods of treat- ment of those who were dis- charged recover- ed during the year.	Periods of treat- ment of those who were dis- charged im- proved during the year.	Periods of treat- ment of those who were dis- charged unim- proved during the year.	Periods of treat- ment of those who died during the year.
Under 1 month.....	3	3	.....	.....	.....	.....
From 1 to 2 months.....	3	8	.....	.....	.....	.....
“ 2 “ 3 “	3	3	.....	.....	.....	.....
“ 3 “ 4 “ .....	.....	1	.....	.....	.....	.....
“ 4 “ 5 “	1	2	.....	.....	.....	.....
“ 5 “ 6 “	1	9	.....	.....	.....	.....
“ 6 “ 9 “ .....	.....	5	.....	.....	.....	.....
“ 9 “ 12 “	3	14	.....	.....	.....	.....
“ 12 “ 18 “ .....	.....	1	.....	.....	.....	.....
“ 18 months to 2 years .....	.....	26	.....	.....	.....	.....
“ 2 to 3 years .....	.....	43	.....	.....	.....	.....
“ 3 “ 4 “	2	35	.....	.....	.....	1
“ 4 “ 5 “	1	29	.....	.....	.....	2
“ 5 “ 10 “	2	35	.....	.....	.....	3
“ 10 “ 15 “	2	71	.....	.....	.....	1
“ 15 “ 20 “	1	49	.....	.....	.....	1
“ 20 years and upwards	1	53	.....	.....	.....	10
Totals.....	24	367	.....	.....	.....	18

HOSPITAL FOR THE INSANE, TORONTO.

OCTOBER 31st, 1913.

To E. R. ROGERS, Esq.

Inspector of Hospitals for Insane, etc., Province of Ontario.

SIR,—In accordance with your request I have the honour to submit the Seventy-third Report of this hospital for the twelve months ending October 31st, 1912:—

—	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	426	426	852			
In Residence October 31st, 1912				473	479	952
Admitted during year 1912:						
By Warrant	86	29	115			
By Medical Certificate.....	82	149	231	168	178	346
Total number under treatment during year				641	657	1,298
Discharges during year:—						
As recovered	39	45	84			
“ improved	33	45	78			
“ unimproved.....	6	7	13			
not insane.....	1	0	1			
Total number discharged during year ...	79	97	176			
Died	42	32	74			
Deported	19	9	28			
Eloped	6	2	8			
Transferred	4	17	21	150	157	307
Remaining in Hospital Oct. 31st, 1913....				491	500	991

ADMISSIONS.

There has been another increase this year in the admissions, which reached the total of 346 (168 men and 178 women). The warrant process accounted for 115 of these, 86 being men and 29 women. As prompt reception as possible, considering the accommodation of the hospital, was given to those who unfortunately had to come by way of the gaol.

It is gratifying to note that the provision afforded by the new act for voluntary admissions has been made use of in 11 cases—eight men and three women. In but one instance has the patient given the five days' notice in writing of his desiring to be discharged.

DISCHARGES.

The discharges during the year numbered 176 (79 men, 97 women). Of these 162 had either recovered or were very much improved. These figures do not include those who were discharged for deportation. There were 28 such cases—10 of these had recovered, 15 were much improved, and three unimproved. Including these deportations the discharge list would have reached 204.

FARM CAMP.

The camp at Whitby, which is carried on on the colony plan, has been a good feature of the hospital treatment. During the summer 36 male patients were in residence and engaged on the farm in various ways. It is wonderful what they accomplished, and how happy they remained while occupied in this way.

NURSING STAFF.

The interest has been well sustained in the Training School for Nurses both by the nurses and by the staff, who gave the regular course of lectures outlined in the syllabus. Although there was but one candidate for graduation, Miss Meta Parker, there were seven successful in the intermediate and ten in the primary examinations. Many of the graduates have taken up the work of private nursing, and in this way made it possible to treat many cases in their homes which would otherwise have come to one of the hospitals. The comments that have reached me regarding the work of our graduates have been very complimentary.

Mrs. Brock was promoted from the Toronto staff to take charge of the Training School in the Mimico Hospital.

LABORATORY WORK.

Doctor C. S. McVicar, as clinician and pathologist, has, whenever the consent of the relatives had been obtained, held post-mortem examinations in cases of interest, and records of these are attached to the case history.

I am indebted to Drs. George Strathy and Gordon Bates for reports on the Wassermann reactions both of the serum and spinal fluid in any case where these tests are desired. The doctors conduct these examinations weekly in the hospital laboratory, and the results tend to accuracy in the diagnoses of organic brain diseases.

BULLETIN.

Contributions have been made to the Bulletin by the various members of the medical staff, and many a case history is filed away as an ordinary record which might have been published in a medical journal with credit to the physician.

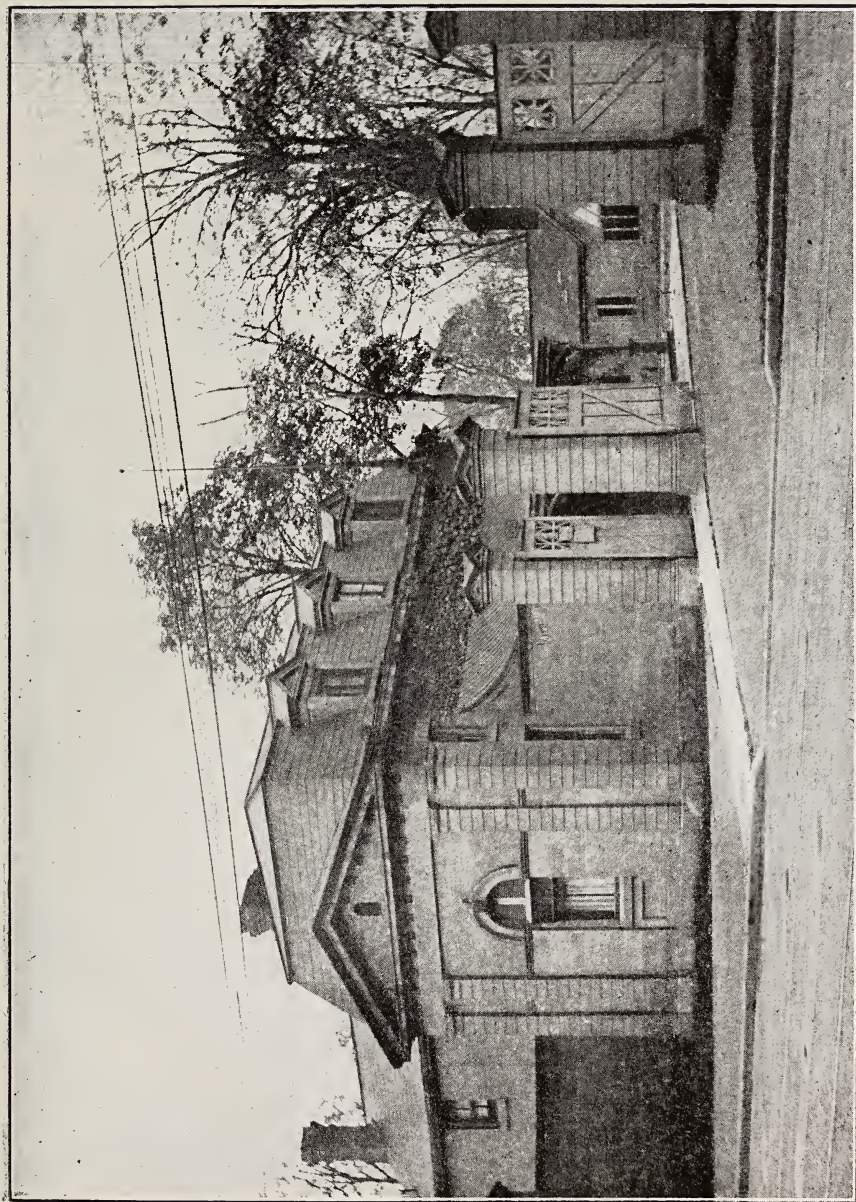
STAFF.

The medical staff meets in conference daily at 11.30 a.m. for one hour, at which several cases are presented and their histories read.

A new departure has been entered upon this year in devoting one of the meetings weekly to the reviewal of an article in one of the medical journals by each member of the staff.

A NEW DISEASE.

Two women were admitted in the month of June who presented unusual symptoms not conforming to any of the ordinary types of mental disease met with in hospital practice. Close observation was kept on their progress, and the diagnosis of Pellagra was made in both cases after the fullest investigation. The credit for being the first to recognize this disease must be given to Dr. George Strathy. Dr. C. S. McVicar later in the day made the same diagnosis quite in-



Entrance to Grounds, Hospital for Insane, Toronto.

dependently. Further confirmation of the diagnosis was afforded by the progress of the cases and by several medical men, some of whom were more or less familiar with this disease. Both cases ran a very similar course in the final stages, and died within a few days of each other. These cases did not bear out the popularly conceived idea of feeding on tainted maize. Both of these women were admitted from the city with the disease. With the exception of one other doubtful case there has been no indication of spreading.

CHANGES IN STAFF.

Several changes have occurred in the official staff during the past year. Dr. F. S. Vrooman was promoted to the post of Assistant Superintendent of the Brockville Hospital for Insane on the 1st of April, 1913. Dr. Vrooman's promotion was well earned by what can be termed "hard work and scientific interest" in the welfare of his patients. Dr. George C. Kidd succeeded Dr. Vrooman, and Dr. Thomas D. Cumberland was appointed Assistant Physician, filling the place formerly held by Dr. Kidd.

Miss Maude Cooke, trained nurse, resigned on the 28th February, and was succeeded by Miss Lena A. Davis, a graduate of the Western Hospital Training School.

On the 22nd of November last death removed a valued servant in the person of Mr. B. Winnifrith, who had been for the past eighteen years attached to this hospital as steward. His removal cast a gloom over the whole institution, and the staff and patients felt that they had lost a good friend and the institution a faithful worker.

The duties formerly exercised by the steward were assigned Mr. McGuire, and Mr. John Carson was made head supervisor of the men's department.

Mr. John Simons, who had been painter for the last seven years, died on the 7th of April, 1913.

I wish to express my highest appreciation of the efforts shown by the Assistant Superintendent, Dr. Harvey Clare, and the staff generally in maintaining the standard of the work on hospital ideals.

Thanking you, Sir, for your interest in the affairs of this hospital, and for your advice and help.

I have the honour to remain,

Sir,

Your obedient servant,

J. M. FORSTER,

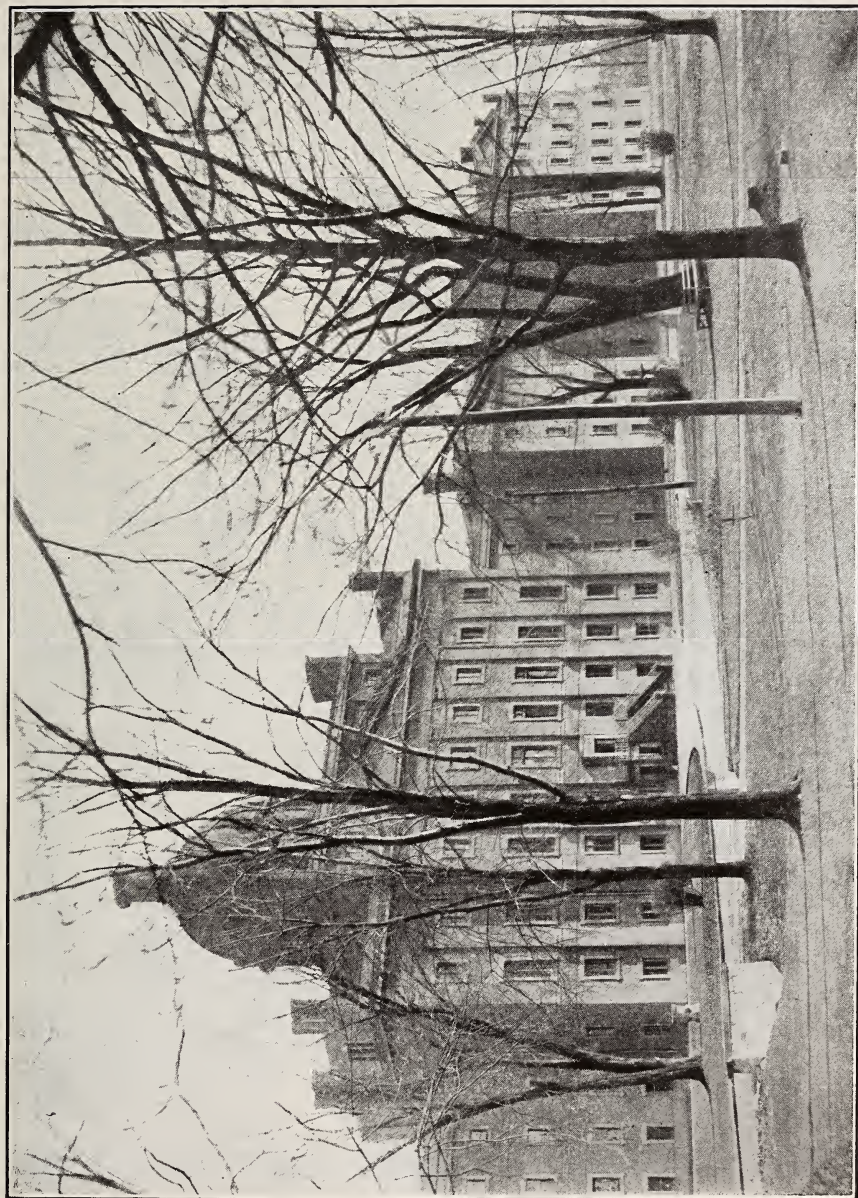
Medical Superintendent.

**ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, TORONTO, FOR THE YEAR
ENDING OCTOBER 31st, 1913.**

TABLE No. 1—TORONTO.

Showing movements of patients in the Hospital for the official year ending October 31st, 1913.

	Male.	Female.	Total.	Male.	Fe- male.	Total.
Capacity of Hospital	426	426	852			
In Residence October 31st, 1912				473	479	952
Admitted during year 1913:—						
By Warrant	86	29	115			
By Medical Certificate	82	149	231	168	178	346
Total number under treatment during year				641	657	1,298
Discharges during year:—						
As recovered	39	45	84			
“ improved	33	45	78			
“ unimproved	6	7	13			
“ not insane	1		1			
Total number discharged during year....	79	97	176			
Died	42	32	74			
Deported	19	9	28			
Eloped	6	2	8			
Transferred	4	17	21	150	157	307
Remaining in Hospital October 31st, 1913 ..				491	500	991
Total number admitted since opening of Hospital				6,047	5,771	11,818
Total number discharged since opening of Hospital	2,998	3,107	6,105			
Total number died since opening of Hospital	1,638	1,323	2,961			
Total number deported since opening of Hospital	96	33	129			
Total number eloped since opening of Hospital	142	21	163			
Total number transferred since opening of Hospital	682	787	1,469	5,556	5,271	10,827
Total remaining in Hospital October 31st, 1913				491	500	991
Daily average population	465.47	479.33	944.8			
Collective day's stay of all patients in residence during year	169,896.55	174,955.45	344,852.0			
Number of applications on file	23	45	68			



Main Building, Toronto.

TABLE No. 2—TORONTO.

Showing Social State and Religion of Patients admitted during the year and since the opening of the Hospital.

	Admissions of Year.			In residence Oct. 31, 1913.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.					Female.				
Single.....	94	83	177	305	262	567	3,220	2,278	5,498
Married	66	79	145	144	177	321	2,770	3,389	6,159
Widowed	8	15	23	25	59	84	53	102	154
Divorced .....	.....	1	1	.....	.....	.....	1	1	2
Separated .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unascertained .....	.....	.....	.....	17	2	19	4	1	5
Totals	168	178	346	491	500	991	6,047	5,771	11,818
RELIGION.									
Baptists	2	8	10	10	22	32	135	167	320
Congregationalists	1	.....	1	3	8	11	60	84	144
Church of England	66	44	110	144	143	287	1,749	1,590	3,339
Methodists	23	34	57	108	92	200	1,142	1,161	2,303
Presbyterians	22	40	62	78	98	176	1,265	1,230	2,495
Roman Catholics	29	24	53	77	78	155	1,082	1,039	2,121
Other Denominations	23	23	46	48	46	94	429	402	831
Unascertained	2	5	7	23	13	36	167	98	265
Totals	168	178	346	491	500	991	6,047	5,771	11,818

TABLE No. 3—TORONTO.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	168	178	346	6,047	5,771	11,818
Total born in Canada	69	97	166	2,638	2,671	5,309
Armenia						
Assyria	2		2	2		2
Austria	4	2	6	8	4	12
Australia						
Belgium						
Bulgaria				2		2
Central America						
China	1		1	3		3
Denmark				1		1
England	51	35	86	1,167	977	2,144
France		1	1	1	1	2
Finland		1	1	4	3	7
Galicia						
Germany				8	5	13
Greece	2		2	2		2
Holland				1		1
Hungary						
Ireland	13	16	29	1,172	1,192	2,364
Italy	6		6	13		13
Japan						
Macedonia						
Other British Possessions	1	2	3	4	3	7
Norway					1	1
Roumania				1	1	2
Russia	2	3	5	16	14	30
Scotland	8	15	23	582	505	1,087
Spain				1		1
Sweden						
Turkey		1	1	1	2	3
United States						
West Indies	7	4	11	200	225	425
Unascertained				1	2	3
	4	1	5	219	165	384
Totals.....	168	178	346	6,047	5,771	11,818

TABLE No. 4—TORONTO.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	1	.....	1	256	15	271
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographer Typewriters, etc.	24	12	36	727	78	805
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	13	.....	13	1,424	.....	1,424
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	19	.....	19	605	1	606
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	13	14	27	516	292	808
Domestic Service:— Waiters, Cooks, Servants, etc. .	1	37	38	71	1,338	1,409
Education and Higher Domestic Duties:— Governesses, Teachers, Students Housekeepers, Nurses, etc.	3	78	81	240	3,067	3,307
Miners, Marine Engineers, Railway Employees, Seamen, etc.	1	.....	1	140	2	142
Laborers	83	.....	83	1,514	.....	1,514
No Occupation	10	36	46	228	605	833
Unascertained .....	.....	1	1	326	373	699
Totals	168	178	346	6,047	5,771	11,818

TABLE No. 5—TORONTO.

Showing the Counties and Districts from which patients have been admitted during the year,
and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District....		1	1	14	18	32				6	1	7	3	4	7
Brant				49	60	109				2	3	5	1	1	1
Bruce				26	15	41				5		5	1	3	4
Carleton				81	66	147				12	2	14	2		2
Dufferin				8	9	17				3	1	4	1	1	2
Dundas				17	16	33				3	1	4			
Durham				173	164	337				34	17	51	5	6	11
Elgin				33	25	58				1		1	1	1	2
Essex				18	16	34				2	3	5	1		1
Frontenac				104	75	179				23	13	36		2	2
Glenarry				30	21	51				4	2	6	2		2
Grenville				19	17	36				5	1	6	1		1
Grey	1		1	120	94	214				58	17	75	2	1	3
Haldimand				26	26	52				5	1	6			
Halton				83	66	149				8	2	8		4	4
Hastings				116	89	205				53	27	80	3		3
Huron				65	60	125				4	1	5	3	3	6
Kent				26	23	49				6	2	8			
Lambton				30	24	54				3	2	5	1	1	2
Lanark				51	43	94				10	6	16	1		1
Leeds				41	35	76				6	4	10	1		1
Lennox and Ad- dington				26	20	46				12	1	13	2		2
Lincoln				101	85	186				14	10	24		1	1
Middlesex				83	79	162				1		1	1		1
Muskoka District..				20	20	40				3	2	5		2	2
Nipissing District.	1	1	2	7	6	13				1	2	3	3		3
Norfolk				19	21	40									
Northumberland ..	2	1	3	149	141	290				29	11	40	7	4	11
Ontario	1	1	2	197	180	377				65	30	95	9	8	17
Oxford				39	40	79				4	5	9	3		3
Parry Sound Dis- trict				1	3	4							1	1	2
Peel				128	129	257				31	10	41	4	6	10
Perth				50	49	99				7		7			
Peterborough				102	99	201				44	15	59	7	1	8
Prescott				21	22	43				3	1	4			
Prince Edward....				26	29	55				3		3		1	1
Rainy River Dis- trict				5	4	9				4	2	6			
Renfrew				4	11	15							1		1
Russell				12	10	22				2	1	3			
Simcoe				76	70	146				26	12	38	8	8	16
Stormont				49	35	84				6	3	9	1	1	2
Thunder Bay Dis- trict				1	3	4							1	1	2
Victoria				143	145	288				52	26	78	4	2	6
Waterloo				53	55	108				10	4	14	3	4	7
Welland		1	1	51	51	102				6	4	10	2	3	5
Wellington				151	152	303				14	4	18	4	4	8
Wentworth				237	211	448				39	9	48	3	3	6
York	163	172	335	3,014	3,903	6,107	86	29	115	1,073	616	1,689	396	422	818
Unascertained		1	1	152	45	197				88	14	102	3		3
Manitoba					1	1								1	1
Totals	168	178	346	6,047	5,771	11,818	86	29	115	1,788	888	2,676	491	500	991



South Cottage, Toronto.

TABLE No. 6—TORONTO.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Total Admissions.			Inherited Predisposition.			Un-ascertained.
	Men.	Women.	Total.	Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....		7	7				
Mental Strain, Worry and Overwork (not included in above)	6	16	22	1	7	8	
Religious Excitement							
Love affairs, including seduction							
Fright and Nervous Shock.....		1	1				
PHYSICAL.							
Alcoholism	2	2	4				
Sexual Excess.....							
Venereal Diseases	1		1				
Masturbation							
Insolation							
Accident or Injury	1		1				
Pregnancy.....		5	5		1	1	
Parturition and Puerperium							
Lactation.....							
Climacteric Period		1	1		1	1	
Fevers							
Privation and Overwork.....							
Epilepsy							
Other Convulsive Diseases.....							
Diseases of Brain and Skull							
Senility	3	2	5				
Exophthalmic Goitre.							
Epidemic Influenza.....							
Abuse of Drugs							
Loss of Special Sense							
Uræmia							
Other Auto-infection							
Other Bodily Diseases	1		1				
HEREDITARY.							
Congenital Defect	13	25	38	16	24	40	
Unascertained	139	119	158	150	145	295	
Not Insane	2		2	1		1	
Totals.....	168	178	346	168	178	346	

TABLE No. 7—TORONTO.

Showing hereditary tendency to insanity in patients admitted during the year
and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	4	17	21
Maternal Branch	4	7	11
Paternal and Maternal Branches .....	.....	1	1
Collateral Branches	3	9	12
No Hereditary Tendency .....	.....	.....	.....
Unascertained	157	144	301
Totals	168	178	346

TABLE No. 8—TORONTO.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number granted probational discharge	63	101	164
Discharged, recovered while on probation.....	17	37	54
" improved " "	23	19	42
" unimproved " "	1	.....	1
Died while on probation .....	.....	.....	.....
Returned to Hospital	7	30	37
Absent on probation on Oct. 31st, 1913	15	15	30

TABLE No. 9—TORONTO.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever				1	1	2
Influenza				2	3	5
Cerebro-spinal Meningitis						
Diphtheria						
Erysipelas	1		1	1	4	5
Septicaemia		2	2	2	11	13
Dysentery				5	4	9
Syphilis				1	1	2
Tuberculosis	3	4	7	38	75	113
Toxemia				1		1
Constitutional Diseases:—						
Rheumatism						
Arthritis Deformans						
Diabetes Mellitus				1	2	3
Stomach					1	1
Diseases of the Digestive System:—						
Mouth, Salivary glands						
Pharynx						
Tonsils						
Oesophagus				1		1
Diseases of the Intestines:—						
Diseases of the Liver	1		1	8	7	15
“ “ Pancreas				3	1	4
“ “ Peritoneum				3	5	8
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx				3	5	8
“ “ Bronchi	2		2	30	35	65
“ “ Lungs	1		1	2		2
“ “ Pleura						
Diseases of the Circulatory System:—						
Diseases of the Pericardium	1		1	1	2	3
“ “ Heart	2	4	6	47	43	90
Arterio-sclerosis	3	4	7	16	4	20
Aneurism				1		1
Diseases of the Blood and Ductless Glands:—						
Anæmia				1	1	2
Pernicious Anæmia				3		3
Leukæmia						
Exophthalmic Goitre					1	1
Diseases of the Genito-Urinary System	1		1	12	9	21
Kidney				3		3
<i>Carried Forward</i>	15	14	29	186	215	401

TABLE No. 9—TORONTO—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	15	14	29	186	215	401
Diseases of the Nervous System:—						
Diseases of the Nerves				2	1	3
“ “ Spinal Cord				2	1	3
“ “ Meninges				1	.....	1
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)		1	1	17	14	31
Functional Nervous Diseases, (Paralysis Agitans, Chorea Eclampsia, Hysteria)	1	.....	1	1	.....	1
Epilepsy	2	.....	2	22	22	44
Mental Diseases:						
Exhaustion of Acute Mental Dis- ease	1	3	4	20	23	43
Exhaustion of Chronic Mental Disease				8	6	14
General Paresis	17	3	20	146	12	158
Intoxications:—						
Alcoholism				2	.....	2
Morphinism						
Metallic Poisoning				1	.....	1
Heat Stroke						
Debility of Old Age	4	7	11	56	57	113
Accident				1	2	3
Suicide	1	1	2	8	5	13
Surgical Diseases						
Gynæcological Diseases						
Malignant New Growths, or Cancer ..	1	1	2	6	5	11
Pellagra		2	2		2	2
Totals	42	32	74	479	365	844
Unclassified				1,159	958	2,117
				1,638	1,323	2,961

TABLE No. 10—TORONTO.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium		3	3		3	3			
(c) Post Infection Psychoses		1	1						
Exhaustion Psychoses:—									
(a) Collapsed Delirium	5	8	13	4	4	8	5	5	
(b) Acute Confusional Psychoses									
(c) Neurasthenia	2	1	3	1	1	1	1	1	1
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic “									
(a) Alcoholism (acute and chronic) ..	20	5	25	16	3	19	3	1	4
(b) Delirium Tremens									
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosiis									
(e) Alcoholic Hallucinatory Dementia ..									
(f) “ Paranoia									
(g) “ Paresis									
(h) Morphinism	1	1	2	1	1	1			
(i) Cocainism									
Pellagra		2	2					2	2
Thyroigenous Psychoses:—									
(a) Mixedematous Psychoses									
(b) Cretinism									
Dementia Praecox:—									
(a) Hebaphrenic	30	22	52	14	11	25	1	2	3
(b) Catatonic	29	42	71	14	26	40	2	5	7
(c) Paranoid	6	15	21	7	7	14	1	1	2
General Paresis:—	12	4	16	4	4	4	17	3	20
Organic Dementias:—									
(a) Cerebral Sclerosis									
(b) Huntingdon's Chorea									
(c) Multiple Sclerosis				1	1	1			
(d) Cerebral Syphilis	1		1						
(e) Tabetic Psychosis									
(f) Arterio Sclerotic Psychosis	5		5	1	1	1	2		2
(g) Cerebral Tumor, Abscess, Hemorrhage ..									
Involution Psychoses:—									
(a) Melancholia	4	13	17	3	15	18	2	3	5
(b) Pre-senile Delusional Psychosis									
(c) Senile Dementia	10	19	29	3	8	11	9	6	15
Manic Depressive Psychosis:—									
(a) Manic States	16	13	29	12	17	29	1	1	2
(b) Depressed States	12	12	24	5	5	10			
(c) Mixed States									
Paranoia:									
Carried Forward	153	161	314	86	99	185	19	29	68

TABLE No. 10—TORONTO—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	123	161	414	86	99	185	39	29	78
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	1	5	6	2	2	3	1	3	3
(b) Hysterical Psychoses	1	1	1	1	1	1	1	1	1
(c) Sexualis Psychopathia									
States of Deficient Mental Development:—									
(a) Imbecility	9	9	18	6	4	10			
(b) Idiocy									
Not Diagnosed	2	2	4	3	2	5	1	1	1
Not Insane	2		2	1		1			
Presbyhenia	1		1	1		1	1	1	1
Totals.....	168	178	346	97	107	*204	42	32	74

*Deportations included, 28.

TABLE No. 11—TORONTO.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct 31st, 1913.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	108	38	6	18	7	10
From 1 to 2 months.....	42	19	10	24	2	6
“ 2 “ 3 “	27	18	17	12	.....	4
“ 3 “ 4 “	17	18	9	5	1	4
“ 4 “ 5 “	14	22	7	9	.....	3
“ 5 “ 6 “	18	21	6	2	1	6
“ 6 “ 9 “	18	39	17	5	1	4
“ 9 “ 12 “	17	17	8	8	.....	4
“ 12 “ 18 “	10	90	2	6	.....	2
“ 18 months to 2 years.....	10	18	3	4	.....	5
“ 2 to 3 years.....	16	75	.....	1	1	4
“ 3 “ 4 “	11	67	1	2	.....	3
“ 4 “ 5 “	9	37	.....	2	.....	2
“ 5 “ 10 “	19	200	1	4	.....	8
“ 10 “ 15 “	4	108	.....	1	.....	3
“ 15 “ 20 “	3	76	.....	.....	.....	2
“ 20 years and upwards	1	128	.....	.....	.....	4
Not insane.....	2	.....	.....	.....	.....	.....
Totals.....	346	991	* 87	†103	13	74

* Includes 3 deported. † Includes 25 deported.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOMEWOOD SANITARIUM, GUELPH, FOR THE YEAR
ENDING OCTOBER 31st, 1913.

VOLUNTARY BRANCH.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital, (both branches)	70	70	140			
In Residence October 31st, 1912.....				32	26	58
Admitted during year 1913:						
By Warrant.....						
By Medical Certificate.....	138	64	202	138	64	202
Total number under treatment during year				170	90	260
Discharges during year:						
As recovered	75	26	101			
" improved	43	25	68			
" unimproved	13	12	25			
" not insane.....						
Total number discharged during year....	131	63	194			
Died.....	4	2	6			
Deported						
Eloped	2	1	3			
Transferred	3	2	5	140	68	208
Remaining in Hospital October 31st, 1913.				30	22	52
Total number admitted since opening of Hospital.....				1,343	490	1,833
Total number discharged since opening of Hospital.....	1,234	438	1,672			
Total number died since opening of Hospital	36	12	48			
Total number deported since opening of Hospital.....						
Total number eloped since opening of Hospital.....	26	3	29			
Total number transferred since opening of Hospital	17	15	32	1,313	468	1,781
Total remaining in Hospital October 31st, 1913.....				30	22	52
Daily average population						
Collective days' stay of all patients in residence during year						
Number of applications on file.....						

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOMWOOD SANITARIUM, GUELPH, FOR THE YEAR
ENDING OCTOBER 31st, 1913.

INSANE BRANCH.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1913.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital, both branches.....	70	70	140			
In Residence October 31st, 1912				13	29	42
Admitted during year 1913:						
By Warrant						
By Medical Certificate	45	46	91	45	46	91
Total number under treatment during year..				58	75	133
Discharges during year:						
As recovered	11	9	20			
" improved	20	7	27			
" unimproved	1	3	4			
" not insane						
Total number discharged during year...	32	19	51			
Died.....	4	6	10			
Deported						
Eloped						
Transferred	9	7	16	45	32	77
Remaining in Hospital October 31st, 1913				13	43	56
Total number admitted since opening of Hospital.....				439	433	872
Total number discharged since opening of Hospital.....	319	307	626			
Total number died since opening of Hospital.....	60	35	95			
Total number deported since opening of Hospital.....						
Total number eloped since opening of Hospital.....	3	2	5			
Total number transferred since opening of Hospital	44	46	90	426	390	816
Total remaining in Hospital Oct. 31st, 1913.....				13	43	56
Daily average population						
Collective days' stay of all patients in residence during year						
Number of applications on fyle.....						

